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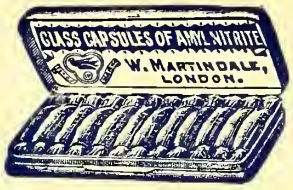

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Index to Advertisers, p. 5.

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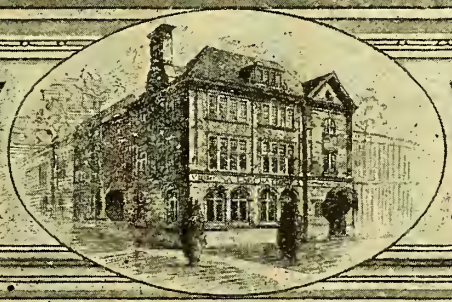

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Index to Advertisers.

ALLCOCK MANUFACTURING CO., Plasters, &c. xxxix
ALLEN, STAFFORD, & SONS, Ld., Essential Oils ..Cover
ALLIANCE DRUG & CHEMICAL CO., Drugs, Chemicals xl
AMSTERDAM QUININE WORKS, Quinine xl
ANGLO-FRENCH DRUG CO., Ld., Proprietaries..... ix
ANZORA PERFUMERY CO., Hair Preparations 12
ASHTON & PARSONS, Ld., Homœopathic Preps. xliii
AYRTON-GRAHAM, Ld., Shop Fittings 6
AYRTON, SAUNDERS & CO. Ld. Wholesale Druggists 15
BAILEY, W. B., & SON, Elastic Hosiery, Suspensories xxv
BAKER, PARSON C., Chemists' Valuer ..... Col. Supp.
BALDWIN MNFG. CO., Ld., Toilet 16
BANDOENG QUININE FACTORIES, Quinine Salts .. xxii
BARKER, R., & SON, Infant Preservative xvi
BECKER, SHILLAN & CO., Chemicals xvlii
BELL (JOHN) & CROYDEN, Ld., Trench Feet Remedy xxxiii
BELL, JOHN, HILLS & LUCAS, Ld., Specialties Cover
BENZOATES, Ld., Drugs xii
BERDOE & FISH, Chemists' Valuers, &c. .....Col. Supp.
BIDWELL, BIDWELL & CO., Brushware 6
BLACKIE, ROBERT, Ointments, &c. xxxvi
BLAGDEN VICTOR, & CO., Chemicals viii
BLYTHE, W. & CO., Ld., Drugs xvii
BOAKE ROBERTS, A., & CO., Ld., Chemicals, Essences.. 23
BOEHM, F., Ld., Chemicals..... 6
BOND'S MARKING INK, "Crystal Palace" Brand .. 12
BOWLEY, S, & SON, Parasiticides .....xxiii, xl
BOX, W. H., Pills..... xxx
BREZET, A., & CO. Chemicals xli
BRITISH CELLULOSE & CHEMICAL MNFG. CO., Ld. xvii
BRITISH DRUG HOUSES Ld., Pharmaceuticals 32
BRITISH PASTEUR-CHAMBERLAND FILTER CO. xxxiv
BROTHERTON-RATCLIFFE & CO., Ld., Saccharin xi
BROWNING, W., & CO., Ld., Foods xxx
BURGR, WAREEN & BIDGLEY, Ld., Rubber Goods xxxix
BURNSIDE & CO., Eucalyptus Oil xlii
BURROUGH, J., Ld., Absolute Alcohol, S.V.R., S.V.M. Text
BURROUGHS WELLCOME & CO., 'Tabloid' Preps. 31
BUET, BOULTON & HAYWOOD, Ld., Disinfectants Cover
BURTON, BAKER & CO "Glaclaline" Preservative xxix
BUSH, W. J., & CO., Ld., Chemicals, Essences, Perfumery Cover
BUTLER, E. H., & SON, Acetanilide, Aniline Dyes.... xiv
CADBURY BROS., Ld., Cocoa ..... Cover
CAMWAL, Ld., Aerated Waters xxviii
CHATELAIN, J. L., French Medicinal Proprietaries .. xxiii
CHELTINE FOODS CO., Foods 26
CHESTER, A. D., & CO., Ld., Chemicals..... xlii
CHESTER & NORTH WALES COLLEGE 26
CHOCOLOIDS CO., Indigestion Tablets..... xxvii
CHRISTY, T., & CO., Toilet Articles, Tartar Remover xxvi
CLASSES (Westminster) 2
COAL BY-PRODUCTS CO., Inhalers xxxviii
CONDY & MITCHELL, Ld., Disinfectants 1
COOK, E., & CO., Ld. Soaps, Perfumery, &c..... 19
COOPER LABORATORY, Saccharin Tablets..... xiii
COOPER, SON & CO., Ld., Cachets xxvi
COSH, STRODE, & PENFOLD, Proprietary 30
COX, ARTHUR H., & CO., Ld., Pills, Tablets 1
CUXSON, GERRARD & CO., Ld., Surgical 18
CYNTA MANUFACTURING CO., Surgical xxv
DALE, J., MNFG. CO., Collapsible Tubes 20
DARTON, F., & CO., Optical and Scientific Goods..... 27
DAVIS, W., Window Display Stands 20
DBB OIL CO., Ld., Petroleum Jellies 24
DEGEN, F. A., Advertising 26
DENOUAL, JULES, & CO., Saccharin xii
DIGESTIVE FERMENTS CO., Pepsins, Peptone, &c.... 30
EDGE, W., & SONS, Ld., Cleansers 14
ELBY BROS., Ld Nickelled Shaving Stick Tubes, &c. 22
ELLIOTT OPTICAL CO. xxx
ELLISON, H., Ld., Disinfectants xxvi
ELT'S COLLEGE, Educational 26
EVANS, GADD, & CO., Ld., Pharmaceuticals iv
EVANS SONS LESCHER & WEBB, Ld., Chemicals .... v, xl
EVAN WILLIAMS CO., Henna Shampoo 28
FABEA CO., Ld., Chemicals xlii
FARRIS, CHARLES, Beeswax, Spermaceti, White Oils 10
FERRY, T., & SON, Ld., Medical Glassware xxxiii
FINK F., & CO., Guns..... xxvi
FLETCHER, FLETCHER & CO., Ld., Liquors .....3, Text
FLOREY, HARTLEY, Chemicals xxxi
FORD, SHAPLAND & CO., Chemists' Printing..... xxxii
FRAME FOOD CO., Ld., Foods xxix
FRANSES, J. J., & SONS, Waxes 24
FUERST BROS., Ld., Chemicals (Pure and Technical) ..xviii
FULLWOOD, R. J., & BLAND, Annatto xxxiv
GALEN MNFG. CO., Surgical..... xxvi
GATES, LESLIE, Bottle Capping, Goldbeater's Skin .. 14
GIGNOUX FREERES & CO., French Specialities x
GLEW, F. HARRISON, Inhalers xxxii
GOUGH, KIDSTON & CO., Chemicals xxvi
GRANT, HUGHES & CO., Saccharine 20
GREEFF, R. W., & CO., Chemicals (Fine and Technical) 6, 7
GREEN, J. BARCHAM, & SON, Filter Papers xxx
GRIFFIN, J. J., & SON, Ld., Tablet Machines xiv
HARLEY, T., Proprietary Salt, Rat Poison .....xxxii, xl
HARRISON, ALF., & SONS, Chemists' Printing xxvii
HILL, SAMUEL, Ld Filter Cloth xxvi
HODGES, ROWLAND, Ld., Safety Razors xxxiii
HOFFMANN-LA ROCHE CHEMICAL WORKS, Ld... vii
HOLLIDAY, L. B., & CO. Fine Chemicals xxii
HOLT, THOMPSON & CO., Salicylic Acid xvii
HOWARDS & SONS, Ld., Cinchona Preps. lii
HUBBUCK, T., & SON, Ld., Zinc Oxide xx
HUISKING, C. L., American Drugs, Chemicals, &c..... xvi
INGRAM, FREDK. F., CO., Toilet Cream 14
ISAACS, L., & CO., Medical Glassware.....Col. Supp.
JOB BROS., Cod Liver Oil (Newfoundland) 29
JOHNSON, MATTHEY & CO., Ld., Silver Nitrate..... xii
JOHNSON & SONS (Mnfg. Chts.), Ld., Chemicals..... 2
KOLENE CO., Hair Preparations..... 30
KUTNOW, S., & CO., Ld., Saline Preparation 9
LANG, JULES, & SON, Medical & Chemical Glassware.. 29
LANKSHEAR, WICKSTEAD & CO., Ld., Tartaric Acid xxxi
LEICESTER RUBBER CO.....xxxviii
LENNOX FOUNDRY CO., Ld., Chemical Plant xi
LESCOL PERFUMERY CO., Perfumes, Soaps 25
LEVERMORE, A., & CO., Ld, Chalk (Precipitated)....xxvi
LINTON, HUBBARD & ANDREW, Liquorice x
LOFTHOUSE & SALTMER, Ld., Foods, Asthma Remedies 22
LONABARC TRADING CO., Spanish Essential Oils 29
LONDON COLLEGE OF PHARMACY 26
M'GLASHAN, D., Fruit Drink.....Col. Supp.
MACNAIR, A., & CO. Absolute Alcohol, S.V.R., S.V.M...xxvi
MACFARLAN, J. F., & CO., Alkaloids vi
MAGNUS, MABEE & REYNARD INC., Essential Oils 25
MANBEE SACCHARINE CO., Ld., Glucose xxxiv
MARTIN, W., Photographics .....Col Supp.
MARTINDALE, W., Chemicals (Tech. and Fine).....Cover
MATTHEWS, HAROLD E., & CO., Nasal Specific.....xxxi
MAW, S. SON & SONS, Ld., Druggists' Sundries 11
MAWSON & CO., Capsules xxxii
MEADE-KING, ROBINSON & CO., Petroleum Jellies 24
MEYEE, W. H. Saccharin Tablets .....Col. Supp.
MILLAR, A., & CO., Ld., Orange Quinine Wine 2
MOND NICKEL CO., Copper Sulphate..... viii
MONSANTO CHEMICAL WORKS, Glycerophosphates..xvii
MORSON, THOS., & SONS, Ld., Fine Chemicals ii
MUMFORD, G. S., & SONS, Starch Powder, Linseed Text
NATIONAL ANILINE & CHEMICAL CO., Chemicals.. 26
NATURAL FOOD CO., Ld., Foods (Special) xxix
NEWBERY, F., & SONS, Ld., Druggists' Sundries 30
NEWMAN, H. & C., Liqueur Tonic 1
NICHOLS CHEMICAL CO., Ld., Precipitated Chalk .. xix
NORTHERN TIN CANISTER WORKS, Tin Boxes.....xxxiii
OLDFIELD, PATTINSON & CO., Pharm. Preps. 5
PAGE, CHAS., & CO., Chemicals viii
PAPIER POUDRE, Ld., Toilet Preparations..... 18
PENICK, S. B., & CO., Drugs xiii
PHARMACEUTICAL LANOLINE CO., Toilet 21
PICCENO, V. A., Chemicals xviii
PICKARD, IVE & RANKIN, Ld., Acetyl-Salicylic Acid xvii
PIFCO CO., Ld., Electrical Novelties xxvii
POTTER & CLARKE, Ld., Herbs, Asthma Remedies.. xv
PRESTON'S LIVERPOOL DISTILLERY CO., Ld. 12
PRICE'S PATENT CANDLE CO., Ld., Glycerin, Soaps 4
PURE RUSSIAN LIQUID PARAFFIN CO., Ld xxxv
RAWORTH, J. E., Patent Agent xxvi
RED BAND CHEMICAL CO., Packed Goods..... xlii
REDDGEAVE, BUTLER & CO., Liquid Paraffin.....Cover
RIGAUD-CHAPELLE French Proprietaries, &c. 17
ROBAETES, Ld., Toilet Specialities..... 16
ROBERTS' PATENT FILLING MACHINE CO. xl
ROLLIN CHEMICAL CO., INC., Chemicals xlii
RONOLEKE Hot Water Bottles xxxvii
ROQUES, FERDINAND, Fine Chemicals viii
ROWNSON, DREW & CLYDESDALE, Ld., Machinery.. xii
RUBWEL CO., Ointment xxxviii
RUDDUCK & CO., Chemists' Shopfittings.....Col. Supp.
SACCHARIN CORPORATION, Ld., Saccharin xxi
SANGERS, Druggists' Sundries, Packed Goods xlix
SANITAS CO., Ld., Disinfectants .....Text
SCHWEPPES, Ld., Mineral Water xxix
SHADEINE CO., Hair Dyes xxvi
SHERBORNE, T., & CO., Trusses xxvi
SLOOG, H., Drugs xxxi
SMITH, MAUEICE, & CO., Ointments xxlii
SMITH, T. & H., Ld., Alkaloids, Resins & Eesinoids.... xxiv
SOUTH OF ENGLAND SCHOOL OF PHARMACY .. 26
SPENCER, ISAAC, & CO. (Aberdeen), Ld., Cod Liver Oil 13
SPRING & CO., Ld., Honey xxix
SQUIRE & SONS, Ld., Pharmaceutical Proprietaries Cover
STEAD & CO., Photographics .....Col. Supp.
STEDMAN, DR., Teething Powders 21
STOKES, C. A., & CO., Ld., Shaving Sticks 12
SUTTLEY & SILVERLOCK, Ld., Chemists' Printing .. 13
SWALES, THOMAS, Loofahs, Corn Plasters xxix
SWISS BANK CORPORATION, Mercantile Banking ..xviii
THAMES CHEMICAL CO., Ld., Face Cream xxvi
THERMOS, Ld., Vacuum Flasks 23
THEVENAZ & CO., Drugs x
THOMPSON, J. L., & CO., Japanese Glassware..... xxxiii
THOMPSON & NORRIS MANUFACTURING CO., Ld. xlii
TIMPSON, JOHN, & CO., Ld., Ligatures xxxvi
TITTEETON & HOWARD, Brushware (all kinds)..... 25
TOLKOWSKY, S., Russian Crude Drugs, &c..... xx
TOWNSEND, J., & SONS, Chemists' Printing xxxi
TURNER BROS. ASBESTOS CO., Ld., Asbestos xxxiii
TUENEE, WILFRED, & CO., Surgical Appliances xvi
TYRRELL, CHAS. A., Syringe 16
VAN HORN & SAWTELL, Surgical Ligatures xxvi
VELDT LABORATORY..... 20
VENESTA, Ld., Tinfoil 28
VICHY CO., Mineral Waters 21
VISCOSE CO., Ld., Bottle Cappings 20
WAIDE, THOS., & SONS, Chemists' Printing..... xxx
WAND MANUFACTURING CO., Pills, Tablets xvi
WARRINGTON CHEMICAL & DRUG CO., Salicylic Acid xii
WASHINGTON CHEMICAL CO., Ld., Magnesia & Salts...Cover
WATFORD MANFG. CO., Ld., Vi-Cocoa xxxiv
WATSON & CO., Photographics .....Col. Supp.
WESTERN DENTAL CO., Sotol 18
WESTMINSTER COLLEGE OF PHARMACY 26
WHIFFEN & SONS, Ld., Emetine Salts, Quinine, &c. .. xix
WHIPMAN, P., & CO., Drugs and Chemicals xxiv
WHITAKER & CO., Rat Dyes 29
WHITE, J. & J., Bichromates xiv
WHITE, TOMKINS & COURAGE, Ld., Hop Oil..... xlii
WIENER, ROBT. O., & CO., Drugs, Chemicals, Waxes .. xxi
WILCOX, JOZEAU & CO., Continental Proprietaries.... Text
WOOD PULP VESSELS, Ld. 2
WOOLLEY, JAS., SONS & CO., Ld. Galenicals, Foods Cover
WRIGHT, ARCHD. J., Ld. Electrical Novelties xxx
ZEAL, G. H., Clinical Thermometers 27
ZIMMERMANN & CO. (Chemicals), Ld., Chemicals .. x

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Heliotropin
Hexamine
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Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Peppermint Oil
Phenacetin
Phenazone
Pyrogallic Acid
Potassium Sulpho-Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinine Ethyl Carbonate
Salicylic Acid
Salicylate of Soda
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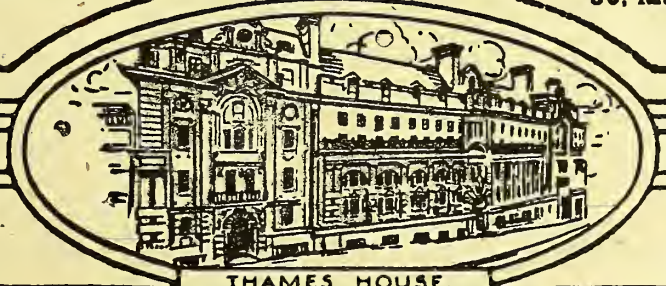


PAPIER POUDRÉ

AND "POPPŒA" PREPARATIONS.

Trade Marks

"LEHCARESOR."

Papier Poudré

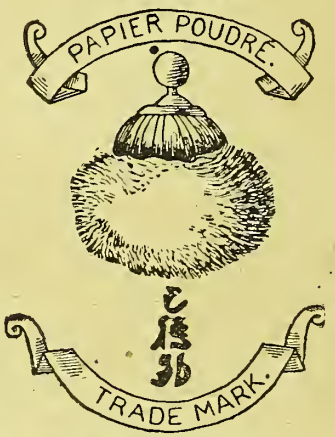
BRITISH MADE GOODS

NOTICE TO THE TRADE.

Owing to the Large Increase in the Price of Raw Material and the PAPER RESTRICTIONS, we regret being obliged to increase our prices as below.

Beware of Spurious Imitations.

Registered



PAPIER POUDRÉ, Ltd.,
20 Baker St., Portman Sq., London, W., and in Paris.

NOTE OUR TRADE MARKS, AS ABOVE.

NEW PAPIER POUDRÉ PRICES.

IN WHITE, ROSE, or RACHEL TINTS, 3½d., 5d., 7d. and 1/2 size Booklets. 2/4, 3/-, 4/6 and 9/- per doz. net respectively.

SUNBURN TINT, 7d. and 1/2 sizes, only 4/6 and 9/- per dozen net.

NEAT 1/2 MIRROR CASES, containing pads of Papier Poudré, 9/- per doz.
REFILLS to these Mirror Cases ... ... 2/4 ,,
SMALL SIZE, DOUBLE LEAVES, for purse or glove ... ... 1/6 ,,
7d. SHAVING PADS (unscented, white only) ... ... 4/6 ,,

THE ALL-BRITISH "POPPŒA" PREPARATIONS.

"Poppœa" Registered Trade Mark

NEW PRICES.

ROUGE is most popular. It is put up in most convenient form, and is Nature's Understudy.

IN PADS, 7d. and 1/2 each. IN MIRROR CASES, 1/2 each, 9/- per doz.
4/6 and 9/- per doz. respectively. Refills, 3/- per doz.

"POPPŒA" MASSOLINE SKIN FOOD, in Jars, 9/6 and 28/- per dozen.

"POPPŒA" CRÈME POUDRÉ, in Bottles, 9/- and 26/- per dozen.

PAPIER POUDRÉ, Ltd., 20 BAKER STREET, PORTMAN SQUARE, LONDON, W.1.

Important Notice

INCREASE OF PROFIT TO CHEMISTS

As stated in the Protected List of THE P.A.T.A. the MINIMUM RETAIL SELLING PRICE of

Kutnow's Powder

IS NOW 2/9 PER BOTTLE (FACE VALUE)

This yields a considerable increase of profit to chemists, nevertheless Messrs. KUTNOW are keeping to their wholesale price, as hitherto, in spite of the enormous rises in the cost of all the materials, bottles and everything else in connection with the manufacture of KUTNOW'S POWDER. In view of the above facts, Messrs. KUTNOW trust that both the wholesale and retail trade will co-operate with them in creating a still greater demand for KUTNOW'S POWDER, and that no substitutes for KUTNOW'S POWDER will be offered to the public in future.

Replenish Your Stock

The public want the best in business, the best in art, the best in literature, the best in everything that lies within their means. The successful business man caters to supply what the public demand. Kutnow's Powder is one of the best morning aperients extant. It is in constant demand all over the world, and no remedy holds a firmer position in the estimation of the public and the medical profession. A window show of Kutnow's Powder is always remunerative. It attracts attention and sells itself without any trouble.

SEND THIS COUPON FOR SHOWCARDS FREE OF CHARGE

To S. KUTNOW & CO., Ld.,
41 Farringdon Road, London, E.C. 1.

Please send me Showcards, carriage paid.

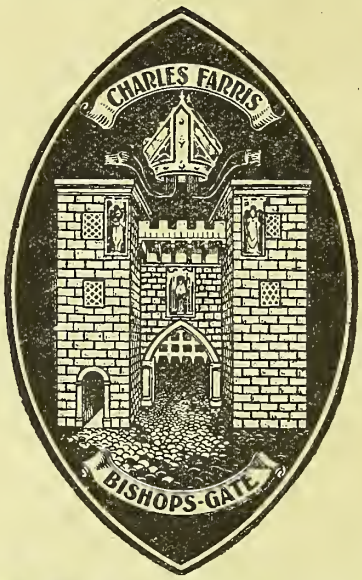
NAME.....

ADDRESS.....

.....

"Chemist & Druggist," April 6, 1918.

S. KUTNOW & CO., Ld., 41 Farringdon Road, London, E.C. 1.



"FARRISOL" White Medicinal Oil, B.P.

ENGLISH MADE

(PARAFFINUM LIQUIDUM).

Guaranteed to exactly conform to B.P. tests.

RECOMMENDED AND ADOPTED BY THE HIGHEST MEDICAL AUTHORITIES.
ABSOLUTELY ODOURLESS AND TASTELESS.

Consumers should insist upon a thorough test, as there are so-called white oils on the market which lack the pure ingredients and the special treatment absolutely essential to produce the B.P. article. By purchasing from Charles Farris you secure the guarantee of an old-established House and complete satisfaction.

Bees Wax, Spermaceti, Tallow, Paraffin Wax, Candles, Lubricating Oils. Insulating Fluid and Wax. Refiner of Oils for the fine Clockwork of Telegraphic Instruments. OIL REFINER TO H.M. GOVERNMENT.

Large Stocks always Ready for Immediate Delivery.

The only actual Manufacturing Wax Chandler and Oil Refiner in the City of London.

CHARLES FARRIS, 71 BISHOPSGATE, LONDON, E.C.

Works—HELMET COURT, BISHOPSGATE, E.C.

Warehouses & Stores—91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Telephones—London Wall 9397 & 9398. Telegrams—"Waxiness, Led, London."

TELEPHONE CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS ELEVEN CENT LONDON

Maw's Page

S. MAW SON & SONS LTD
(G.P.O. BOX No 54)
7-12 ALDERSGATE ST
LONDON E.C.1.

NUMBER 338 APRIL 6, 1918

CABLES ELEVEN LONDON
CODES A.B.C. 4TH & 5TH EDITION

The Completed TOILET

The completed Toilet gives the utmost satisfaction to the woman who places her confidence in Maw's "PAREX" (Regd.) preparations. It pays to sell tried and trusted goods.

"PAREX" (Regd) TALCUM POWDER
In Carnation, Violet, or White Rose.
Each perfume may be had in White, Cream, or Pink,
7/2 per doz. with bonus.

"PAREX" (Regd.) LIP SALVE
In pure tin cases.
Daintily labelled, Red or White.
3/9 per doz. with bonus.

"PAREX" (Regd.) BATH POWDER
In six perfumes.
1/- size, **8/-** per doz. with bonus.

"PAREX" (Regd.) CRÊAM DE LUXE
The most delightful preparation, invaluable for making and keeping the skin soft and velvety.
10/5 per doz.

"PAREX" (Regd.) SHAMPOO POWDER
Tonic, Cleansing and Refreshing. "The Perfect Shampoo."
8/6 per doz. with bonus.

"PAREX" (Regd.) BEAUTY LEAFLETS
Exquisitely perfumed in White, Cream or Pink.
3/- per doz. with bonus.

"PAREX" (Regd.) DENTAL CREAM
The Tooth Paste which is "As perfect as Science can make it."
7/9 per doz. with bonus.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

Alteration of Prices to Retail Distributors of

JOHN BOND'S "CRYSTAL PALACE" MARKING INK

IT PAYS TO PUSH IT

6d. size, 3/6 per dozen. Minimum protected selling price, 5d.
1/- „ 6/6 „ „ „ „ „ „ 9d.

This will show retailers a still larger profit on the 6d. size of no less than 43%. The rate of Profit on the 1/- size will remain the same.

43% Minimum Protected Profi

Minimum order at Wholesale rates, one Gross of 6d. size amounting to 37/- or assorted order to same value · 1/- size 68/- per Gross. Carriage paid on parcels of £5 and upwards. Smaller quantities should be ordered through any of the Wholesale Houses. When ordering, please specify if Heat or Non-heat is required.

¶ A good assured minimum profit on *this* Marking Ink which will always make new customers. ¶ Compare with what you are paying for other makes, and NOTE the difference. ¶ Retailers need not fear with *this* make competition by cutters.

Manufactory :—75 SOUTHGATE ROAD, LONDON, N. 1.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY Co., Ld.

The Largest Makers in the Kingdom.
BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office : 4 India B'ngs, Water St., Liverpool.

ANZORA CREAM

and ANZORA VIOLA will be going strong during the coming summer season.

REMEMBER—
Anzora is becoming more popular daily, and—it assures you Good Profit.

MASTERS THE HAIR.

TRADE TERMS.
11/6 per doz., retailed at 18/-; 19/6 per doz., retailed at 30/-.

DISPLAY CARDS and CUT-OUTS FREE.

ANZORA HAIR CREAM

Anzora Perfumery Co.,
28, 32, 34 Willesden Lane, London, N.W. 6.

FOR LARGE BUYERS.

Dental Creams

Bulk or Packed.

Also Vanishing Creams, Brilliantines, Toilet Paraffins, Lime Creams, Pomade Hongroise, Tooth Powders, Shampoo Powders, and All Toilet Goods.

LOW PRICES for HIGH QUALITY.

STOKES & CO., Ltd.

Manufacturing Chemists and Perfumers,
31-35 Lower Castle, BRISTOL.
(6)

FINEST QUALITY *Norwegian* MEDICINAL NON-FREEZING

COD LIVER OIL

ISAAC SPENCER & CO., (ABERDEEN) LTD.,

ISCO TRADE MARK

ABERDEEN, SCOTLAND.

For the ATTENTION of the DISCRIMINATING CHEMIST

LABELS IN BLACK AND COLOUR, BANDS, SEALS, ETC.

THE Distinctive Quality of our Printing & Stationery for Chemists & Druggists has received universal approval for more than —— 90 YEARS. ——

DESIGNS FOR PERFUMERY AND ALL OTHER FANCY PREPARATIONS.

SUTTLEY & SILVERLOCK, LIMD

CHEMISTS & GENERAL LABEL PRINTERS,

BLACKFRIARS, LONDON, S.E.

Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing. Two sizes: 2/-, per dozen 16/-; 4/-, per dozen 32/-

Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

Introductory Offer. Cost £2; Retails 60/-—Profit 20/-.

½ Doz.	Ingram's	Milkweed Cream	Retails 2/-	Price	8/-
½ Doz.	,,	Velveola Souveraine (Face Powder)	,, 2/-	,,	8/-
½ Doz.	,,	Zodenta Paste for the Teeth	,, 1/-	,,	4/-
¼ Doz.	,,	Rouge, Light, Medium, Dark	,, 2/-	,,	4/-
½ Doz.	,,	Perfume, 1 oz. assorted in fancy packages	,, 4/-	,,	16/-
		100 Guest Room Packages free.			£2

Shipped via Parcel Post Prepaid.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (Established 1885).
411 Lafayette Boulevard, Detroit, U.S.A. Canadian Plant: Windsor, Ont.

Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.

IMMEDIATE DELIVERY

GATES' BOTTLE CAPPING SKINS

SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw material for Baudruche manufacture being now unobtainable, I have put this new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

Sole Pioneer and Only English Manufacturer:

LESLIE GATES,

3 & 14 Nightingale Road,
Clapton, E. 5.

Telegraphic Address: "Englishism, Lowclap, London."
Telephone: Dalston 1207.

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

Advertising that assists YOU!

THROUGH the press, MOVOL has gained public confidence. Housewives are still being told about it. Some have yet to learn its wonderful power of making Iron-mould, Ink and Fruit stains disappear, and *all* are told that

TRADE MARK
MOVOL
Regd

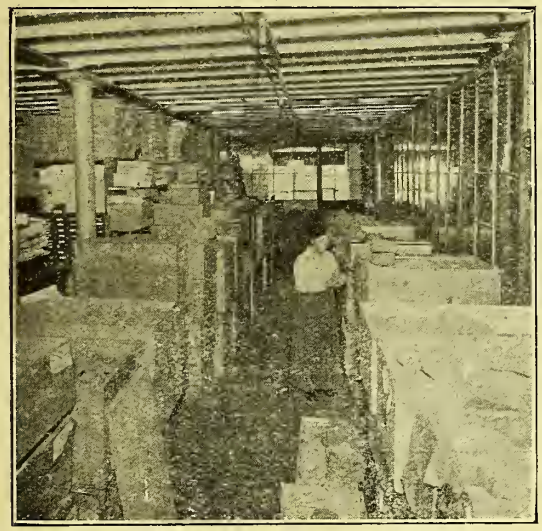
can be bought from Chemists everywhere. Have you got your stock displayed and are you reaping the profits?

Mail a P.C. for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

1868 to 1918

"For nature forms . . . . and writes
our fortune's changes in our face."
Roscommon.



Orders for
P.K.L.
the subject of
a recent Advt.
are being executed
in rotation.

The revised price due to increased cost of ingredients is 10/- per dozen, and there is a decided possibility of supplies being intermittent.

The demand for Sponges

will be much heavier than the supply during the coming season. There has been no fishing for some three years past, and stocks are getting sadly reduced.

We have bought well, deliveries are to hand and we can now give our friends the benefit of our foresight.

Honeycomb Sponges

No. 1 ...	**2/9**	per doz.	No. 6 ...	**16/-**	per doz.
„ 2 ...	**4/6**	„	„ 7 ...	**20/-**	„
„ 3 ...	**6/6**	„	„ 8 ...	**24/-**	„
„ 4 ...	**8/6**	„	„ 9 ...	**30/-**	„
„ 5 ...	**10/6**	„	„ 10 ...	**36/-**	„

Special lines in Bath Honeycomb Sponges

No. 11 ...	**42/-**	per doz.	No. 15 ...	**84/-**	per doz.
„ 12 ...	**54/-**	„	„ 16 ...	**126/-**	„
„ 12a...	**60/-**	„	„ 17 ...	**162/-**	„
„ 14 ...	**72/-**	„			

Turkey Sponges

No. 18 ...	**8/6**	per doz.	No. 20 ...	**30/-**	per doz.
„ 19 ...	**18/-**	„	„ 21 ...	**42/-**	„

Carded Sponges

9d. 1/6 2/3 3/- 4/6 8/6 per doz.

AYRTON, SAUNDERS & CO. LTD.
LIVERPOOL

DIADEM

Vanishing Cream

a cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style. Handsome profits for you in selling.

Face Powder

possessed of the elusive fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, and Rose tints. Packed in large artistic boxes, in the distinctive Robartes style and colouring. A sure seller.

TRADE TERMS

Diadem Cream	Advertised and Minimum Retail Price - 3/9 Trade per doz. 30/-	Window and Counter Materials free on request. Write for particulars.
Diadem Powder	Advertised and Minimum Retail Price - 2/6 Trade per doz. 20/-	

SPECIAL NOTICE AND OFFER TO THE TRADE.

Each jar of Diadem Cream contains the following notice:—

"On returning 6 of these empty Diadem jars to any Chemist or Hairdresser in the United Kingdom, a new 3/9 size jar will be given you free in exchange."

Upon any of our trade customers therefore returning to us 6 of these empty jars, carriage paid, we will immediately forward in return, post free, 2 (3/9 size) jars of Diadem Vanishing Cream.

ROBARTES, LTD., 128 Jermyn St., London, S.W.1

DECOLTENE The liquid hair remover — The intelligent depilatory. Simple, safe and effective. Pleasant and harmless. Invaluable during the décolleté vogue. Daintily packed.

Dinkie The Dainty Deodorant — An attractive line that enjoys good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars.

TRADE TERMS. DECOLTENE. Advertised and min. Retail price 3/9 Trade 30/- per doz. DINKIE. Advertised and min. Retail price 2/6 Trade 20/- per doz. Particulars and Showcards on request.

THE "J. B. L. CASCADE."

Celebrated physicians all over the world are now recommending **"J. B. L. CASCADE," AN INTERNAL BATH** for ills of the Stomach and Intestines, and for Headaches and Constipation; the Deadly Appendicitis and Typhoid Fever are prevented by this treatment. Prominent druggists in all countries have it in stock. Supplied by

CHAS. A. TYRRELL, M.D., Formerly Pres't of Tyrrell's Hygienic Institute, 134 W. 65th St., NEW YORK CITY.

LIQUORICE JUICE

SPANISH and SICILIAN

(Spot and Afloat).

FRED^K BOEHM LIMITED

15, 16 & 17 JEWRY STREET, LONDON, E.C. 3.

SCOTTISH OFFICE: 140 West George Street, GLASGOW.

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & Co., 49, Haymarket, S. W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.

THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.

Sold by all Chemists.
Wholesale: 8, Rue Vivienne. PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

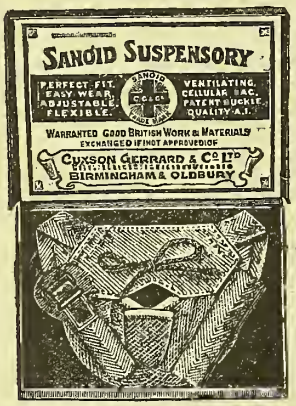
CHANDRON'S DROPS
(Gouttes des Colonies)

A harmless antiseptic preventative against CHOLERA-FERMENTATION - INDIGESTION & other intestinal disturbances.

SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

"SANOID" SUSPENSORY BANDAGES.



1. White sateen front, fine web band, silk net bag, silk elastic insertion ... ... per doz. 22/6
2. Pink cotton front, stout web band, cotton net bag, cotton elastic insertion ... " 12/-
3. Calico front, coarse web band, cotton net bag " 10/-

With understraps, extra per dozen — No. 1: 3/9; 2: 2/9; 3: 1/9

WITH DETACHABLE BAGS AND UNDERSTRAPS.

16. Buff sateen front and band, pink silk net ... per doz. 20/-
17. White " " white cotton " " 16/-
18. " twill " " " " " 12/6

Each in a box as illustrated.

Bands and Understraps on all the above are made to buckle.

CUXSON, GERRARD & CO., LTD., Oldbury & Birmingham.

People are asking for

"SoToL"

Effervescent Tablets

The All-British Mouth and Throat Wash.

A most elegant, convenient and efficient preparation, largely advertised.

Full particulars on request from the Makers—

The WESTERN DENTAL MFG. CO. (1914) LTD.

74 Wigmore St., London, W. 1.

List No. 825c.

THE LINE THAT SHOWS A GOOD PROFIT

WHOLESALE, **90/-** PER GROSS

USUAL TERMS.

RETAIL - - - **1/-** PER STICK

PACKED IN TINS AND CARTONS.

List No. 825c.

A Stick that Sells Itself!

EDWARD COOK & CO. Ltd.

The Soap Specialists,

THE SOAPERY, BOW, LONDON, E.3

SACCHARIN 550

COUMARIN VANILLIN HELIOTROPIN

GRANT, HUGHES & CO.

21 Mincing Lane - LONDON, E.C. 3.

Telephone—Avenue 4567. Teleg. Address—"Nitroform London."

BRITISH MADE

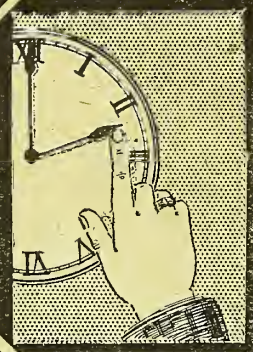
SCENT SPRINKLERS
COLLAPSIBLE TUBES

Decorated Tin Boxes & Canisters

Manufactured by

The JOHN DALE Mfg. Coy.

NEW SOUTHGATE. LONDON. N.



Using old-fashioned bottle cappings, such as paper, split skins, etc. is PUTTING THE CLOCK BACK. Those who have tested

SEMREH

SELF-FIXING

BOTTLE CAPS

know that they save both time & trouble. Details from

THE VISCOSE Development Co., Ltd. BROMLEY, KENT.

Veldt Cream

LABEL-TITLE. COPYRIGHT

A WHITE INSEPARABLE ABSORBENT CREAM.

Guaranteed absolutely free from Glucose, Benzoin or Tragacanth, so **cannot dry up** the skin.

GET CERTAIN REPEATS with the emollient which has no equal. The skin whitener without rival!

PAYS **40%** ON MONTHLY BONUS TERMS.

Retail.	Size.	Price.	Free Bonus on quantities named or pro rata
3½d.	1 oz. bots.	36/- per gross	2 doz. 9d. with each gross.
9d.	3 oz. bots.	7/- per doz.	2 doz. 9d. with each 6 doz.
1/3	6 oz. bots.	12/- per doz.	2 doz. 9d. with each 4 doz.
2/6	12 oz. Bath-size bots.	24/- per doz.	2 doz. 9d. with each 2 doz.

FREE IN ADDITION TO BONUS.

On £3 orders carriage paid.

Peach and Lilies Showcard (water-colour reproduction). Silent Salesman Showcase picturing Ellaline Terriss. Monster Show Bottle filled with genuine "Veldt" Cream.

Obtainable on bonus terms only from

THE VELDT LABORATORY, Louth, England

or through our Special Agents,

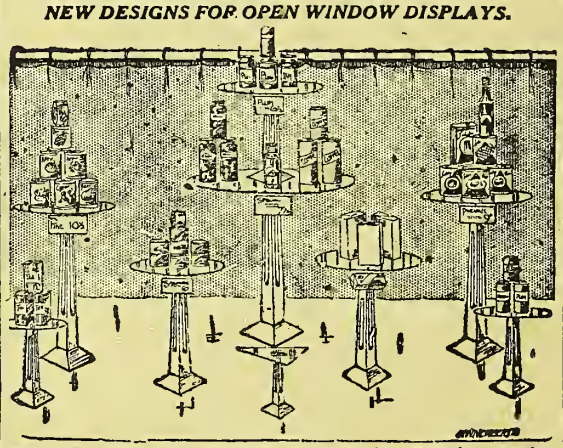
AYRTON, SAUNDERS & CO., Ltd., LIVERPOOL.

W. DAVIS
106 WOOD ST., E.C. 2
'Phone: CITY 8220
For OPEN WINDOW DISPLAYS.

SHOPFITTERS & SUNDRIES — DECORATIVE & NEEDFUL

W. DAVIS
106 WOOD ST., E.C. 2
'Phone: CITY 8220.
For OPEN WINDOW DISPLAYS.

WRITE FOR OUR LIST SHOWING MANY NEW DESIGNS FOR OPEN WINDOW DISPLAYS.



Set 139.—Consisting of 1 27 in., 2 24 in., 3 12 in. 3 9 in. POLISHED OAK PEDESTALS, with 1 24 in. × 18 in., 2 18 in. × 12 in., 2 16 in. × 10 in. OVAL PLATE GLASS SHELVES: 1 12 in. Angle and 3 10 in. Circles.

80/- Complete.

Our WINDOW PAPERS are 3/6 per roll of 12 yards. 21 in. wide—WRITE FOR SAMPLES.

Dr. Stedman's Teething Powders.

Nominal Value.			Per Doz.
1/1½ pkt. now contains	12	powders	8/-
2/9 „ „ „	36	„	21/-
4/6 „ „ „	72	„	38/-
11/- boxes, trade size	240	„	132/-

Discount 5 per cent. on £10 orders for cash.

A cheap article is an attractive one to the public, bringing custom and profit. Here is one!

125 New North Road - London, N.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

THE FRENCH NATURAL MINERAL — WATER.

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips, Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals: Brass, Copper or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

10d.

Make your old Hat a new one.

In bottles, 10d. each, in separate neat cartons, with suitable brush.

These Dyes are a distinct invention, dyeing the straw without an objectionable varnished appearance, and producing the effect of new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS, ALSO LEAFLET OF TESTIMONIALS.

"Luton" HAT DYE

WHITAKER & CO., COLOUR WORKS, KENDAL, ENG.

London Depot; 60-62 Clerkenwell Road, E.C.

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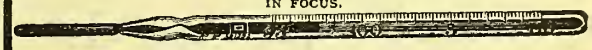

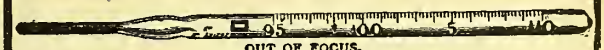

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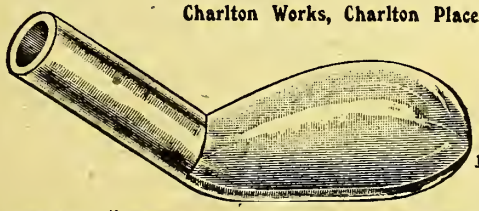

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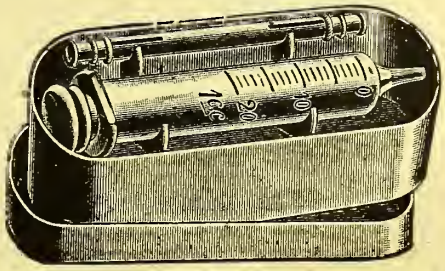

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CONTENTS: No. 14 (Series No. 1993), Vol. 90.

	PAGE
British Pharmacopœia, 1914	34
Coming Events	33
Company News	37
Corner for Students	34
Correspondence:	
Letters	49
Subscribers' Symposium	50
Legal Queries	51
Miscellaneous Inquiries	51
Deaths	37
Editorial Articles:	
The Saccharin Position	42
British Pharmacopœia Modifications	43
Economy in Gas and Electricity	43
English News	35
European War	33
Information Department	40
Insurance Act Dispensing	46
Irish News	36
Legal Reports	37
Marriages	37
Military Tribunals' Decisions	34
Observations and Reflections	41
Personalities	36
Pharmaceutical Society of Great Britain:	
Council-meeting	38
Annual Accounts	40
Council Candidates	44
Poisonings	35
Retrospect	52
Scottish News	36
Trade Notes	41
Trade Report	47
Winter Session of Chemists' Associations	45

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Tuesday, April 9.

Rontgen Society, Burlington House, Piccadilly, London, W., at 8 P.M. Silvanus Thompson Memorial Lecture, by Sir Ernest Rutherford, F.R.S.

Wednesday, April 10.

Liverpool Chemists' Association, Birkenhead and Wirral Pharmacists' Association, and Wallasey Pharmacists' Association, Exchange Station Hotel, Liverpool, at 7.30 P.M. Joint smoking-concert in aid of the Benevolent Fund of the Pharmaceutical Society. Tickets (1*s.* 3*d.* including tax) from Mr. D. H. Evans, 148 Lodge Lane, Liverpool.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 7.30 P.M. Mr. A. R. Melhuish on "Some Dangers to Pharmacy and the Need for a Constructive and Defensive Policy."

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 7.30 P.M. Annual Meeting, election of officers, and paper by Mr. J. Tait, Ph.C., entitled "A Few Notes on Bacteriology—Theoretical and Practical."

Manchester Pharmaceutical Association, Chess Club Rooms, 65 Market Street, at 3 P.M. Annual Meeting and election of officers.

Thursday, April 11.

County of Essex Association of Pharmacists, 17 Bloomsbury Square, London, W.C., at 3 P.M. Annual Meeting, and address by Mr. Harold Miller, Cheltenham. The meeting is open to all chemists.

Friday, April 12.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Professor E. C. C. Baly on "Absorption and Phosphorescence."

European War News.

Import and Export Notices.

Italy.—The Italian authorities have agreed to license, *inter alia*, the importation of British perfumed soaps, without restriction of quantity, whether imported by parcel-post or otherwise.

United Kingdom.—The Controller of the Department of Import Restrictions desires to make it known that, owing to shortage of staff and pressure of work, it has been necessary to restrict the hours during which interviews can be given to the public. Callers cannot be seen except between the hours of 11 A.M. and 1 P.M. daily, unless special appointments have previously been made by letter or telephone. Firms are requested to make their inquiries by letter, in which all relevant particulars should be fully stated, instead of sending representatives to interview officers of the Department.

Oils and Fats (Restriction) Order, 1918.

A draft Order, dated March 23, has been made by the Food Controller by which the oils and fats mentioned in the schedule may not, after April 29, except under and in accordance with the terms of a licence, be employed for any other purpose than human or animal food or drink, or for the manufacture thereof. It will be an offence after April 20 to treat oils and fats so as to render them unfit or less fit for human or animal food or drink. The oils and fats mentioned in the schedule are:

Coconut oil.	Soya-bean oil.
Cotton-seed oil.	Sunflower-seed oil.
Gingelly (sesame) oil.	Neutral lard.
Ground-nut oil.	Oleo oil.
Maize oil.	Premier jus.
Mowrah-seed oil.	Tallow.
Niger-seed oil.	Stearine (beef or mutton).
Palm-kernel oil.	Dripping.
Poppy-seed oil.	Lard.
Shea butter or oil.	

Lighting, Heating, and Power Order.

This Order, which came into force on April 2, and applies to gas and electricity manufactured or generated within the City and County of London, the Counties of Middlesex, Kent, Surrey, Sussex, Hertford, Huntingdon, Cambridge and the Isle of Ely, Norfolk, Suffolk, Essex, Northampton and the Soke of Peterborough, Bedford, Buckingham, Oxford, Berks, Gloucester, Hampshire and the Isle of Wight, Wilts, Dorset, Somerset, Devon, and Cornwall, and to the counties of cities or towns and county boroughs situate therein. The main restriction is as follows:

> No person shall consume or cause or permit to be consumed in any one quarter of a year on any premises of which he is the occupier more than five-sixths of the amount of gas or electricity which was consumed on the same premises during the corresponding quarter of the years 1916 or 1917, whichever was the greater.

An occupier is not bound to reduce his consumption in any quarter below the following amounts:

Quarters	C.f. Gas	Units of Electricity
March 25—June 24	3,000	20
June 24—September 29	3,000	20
September 29—December 25 ...	3,500	40
December 25—March 25 ...	3,500	40

The regulation dealing with the lighting of shop-fronts is as follows:

> No light of any description shall be used at any time in any shop-front, provided that nothing in this paragraph shall be deemed to prohibit the use of
>
> (*a*) Any light approved by a chief officer or superintendent of police as necessary for serving customers inside a shop;
>
> (*b*) Any light used solely for illuminating a small sign in a shop-front to indicate to persons outside that the shop is open for the serving of customers.

A shop is defined as having the same meaning as in the Shops Act, 1912, and a "shop-front" includes any portion of a shop or any show-case or other similar device which is ordinarily used wholly or mainly for the display of goods to persons outside the shop. The reduction which is to be made in the quantity of gas and electricity applies to those articles supplied and consumed for any purposes whatever. Proceedings for infringements may not be instituted except by or by the direction of the Board of Trade or the Attorney-General, and persons against whom complaints are made will be given an opportunity to explain the apparent excessive consumption before a prosecution is instituted.

Superphosphates (Amendment) Order.

An Order was made on August 20, 1917 (*C. & D.*, August 25, 1917, p. 33) fixing the maximum prices of superphosphates in quantities of 2 cwt. and upwards, which remain unchanged at approximately 8*s.* 9*d.* per cwt. for April delivery. By an Order made on March 28 the Minister of Munitions has fixed the maximum prices to be charged or paid for superphosphates sold or purchased in quantities of 14 lb. and over, but less than 2 cwt., for delivery, ex vendor's store or shop, or ex warehouse, railway goods-yard, or public wharf, as follows, the amounts mentioned being the *additional* charges to the prices fixed for quantities of 2 cwt.:

1 cwt. and over, but less than 2 cwt., 2*s.* per cwt.
28 lb. and over, but less than 1 cwt., 3*s.* cwt.
14 lb. and over, but less than 28 lb., 4*s.* per cwt.

There are no restrictions on the price to be charged or paid for superphosphates sold or purchased in less quantities than 14 lb. All applications in reference to the new Order should be addressed to the Director of Acid Supplies, Ministry of Munitions, Explosives Supply Department, Storey's Gate, Westminster, S.W. 1, and marked "Fertilisers."

Personalia.

Captain F. Graham Lescher, M.C., R.A.M.C., brother of Mr. T. Edward Lescher (Evans Sons Lescher & Webb, Ltd.), has recently been promoted to major.

Second-Lieutenant B. Brady, Royal Irish Rifles, has been wounded in action, and is in hospital in France. Second-Lieutenant Brady is a partner in the Grosvenor Chemical Co., Belfast.

Second-Lieutenant Eric E. Wood, Yorkshire Regiment, has been severely wounded in action in France. Till enlistment, Second-Lieutenant Wood was with Mr. John S. Craven, chemist and druggist, Cleckheaton. He received his commission in October 1917.

Second-Lieutenant A. F. Maxwell, Royal Irish Fusiliers, has been wounded in recent operations in France, and is in hospital. Second-Lieutenant Maxwell, who is a pharmaceutical chemist, is a son of Mr. William Maxwell, R.D. (Maxwell, Greer & Co., Ltd., chemists, Londonderry).

Miscellaneous.

Scientific Laboratories.—The Food Controller is authorising duly licensed laboratories to obtain supplies of any rationed articles on production to the supplier of a certificate that the foods are necessary for the purpose of the laboratory. A statutory Order embodying this exemption is shortly to be issued.

American Ambulance Train.—The Great Eastern Railway Co., at their works at Stratford, have fitted up an ambulance train for the use of the United States Army in France. The train includes a compartment fitted up for dispensing. The train has been on view during the week at Liverpool Street Station, London.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4."

A Mixture of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, April 9, on which day the samples will be posted. Students' reports will be received up to Saturday, April 20. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the final exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact *must be attested on their reports.*

(From the "London Gazette," March 29, 1918.)

British Pharmacopœia, 1914.

Alteration and Amendment.

In pursuance of the *Medical Act*, 1858, and of the *Medical Council Act*, 1862, the General Council of Medical Education and Registration of the United Kingdom have caused to be altered and amended "The British Pharmacopœia 1914," printed and published for the General Council by Messrs. Constable & Co., Limited, 10 Orange Street, Leicester Square, London, W.C. 2, by withdrawing from the same until further notice certain medicines and compounds and the directions for preparing them, and by modifying certain other directions therein contained, as set forth in the following Schedule; and the alterations and amendments so made shall continue to have effect until further order respecting them is duly made according to law.

SCHEDULE.

The following are withdrawn until further notice, namely:

Linimentum Camphoræ, Linimentum Chloroformi, Linimentum Hydrargyri, Linimentum Terebinthinæ Aceticum, Liquor Cresol Saponatus.

The following notes are appended to the official monographs on Adeps Præparatus, Oleum Arachis, Oleum Olivæ, Oleum Ricini, Oleum Sesami, and Sevum Præparatum, respectively, namely:

Adeps Præparatus Sevum Præparatum.

In the United Kingdom, Wool Fat, or Hydrous Wool Fat, singly or together, with such addition (if any) of Hard Paraffin, Liquid Paraffin, Soft Paraffin, Paraffin Ointment, White Beeswax, Yellow Beeswax, or any combination of these, as may be necessary to impart a proper colour and consistence to the product, may be employed in making the official preparations for which Prepared Lard, or Prepared Suet, is directed to be used; but the official proportion of the active ingredient must in all cases be maintained.

Oleum Arachis, Oleum Olivæ, Oleum Sesami.

In the United Kingdom, Arachis Oil, or Sesame Oil, may be employed in making the official Liniments, Ointments, Plasters, and Soaps for which Olive Oil is directed to be used.

Oleum Ricini.

In the United Kingdom, the modified castor oil of commerce, commonly known as "neutralised seconds castor oil," may be employed in making the official preparations for which Castor Oil is directed to be used.

On behalf of the General Council,

Donald MacAlister,
President.

A. J. Cockington,
Acting Registrar,
44 Hallam Street, London, W. 1.
March 1918.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Brighouse.—Mr. M. C. Cockroft, chemist and druggist, who was placed in Class A on attesting, has, after being medically examined four times during the past year, been finally discharged and placed in Class B (reserve).

Chelmsford.—The case of Mr. H. Adams, assistant with Parke's Drug Stores, Ltd., was adjourned for three months so that the chemists of the town may be conferred with as to their dispensing requirements.

Farnham.—Mr. George Walker, chemist and druggist, manager for the Timothy White Co., Ltd., was granted three months' conditional exemption.

Fulham.—Mr. H. P. Dowery, assistant chemist to Oxo, Ltd., was granted exemption, it being stated that he is the only assistant chemist left to the company.

Maidstone.—The case of Mr. F. C. Smith, dispenser at Barming Asylum, was adjourned for six weeks. It was stated that Mr. Smith's post had been advertised as vacant, and that two ladies had applied in person, but had subsequently written expressing the opinion that they were not capable of taking the position. The Chairman having remarked that in his view the salary offered (2*l.* 10*s.* a week, outdoors) was a miserable one, the Clerk to the Asylum offered to advertise again, increasing the salary.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:

Barnstaple Guardians.—Mr. W. E. Proudman, chemist and druggist, quinine (8*s.* per oz.) and cod-liver oil (1*l.* 8*s.* per gallon).

Blean Guardians.—Mr. A. Lander, Ph.C., Canterbury, drugs.

Coventry Guardians.—Wylcys, Ltd., and Mr. A. H. Newton, Ph.C., drugs, etc.; A. Browne, Ltd., surgical dressings.

Cranbrook Guardians.—Mr. A. J. Gray, chemist and druggist, Hawkhurst, medical appliances.

Derby Town Council.—Adcocks, Killgerm Co., Ltd., and the "Sanitas" Co., Ltd., disinfectants.

Hemel Hempstead Guardians.—Mr. F. Chapman, chemist and druggist, surgical dressings.

High Wycombe Guardians.—The "Sanitas" Co., Ltd., disinfectants.

Louth Guardians.—G. Cheetham, Ltd., medical sundries.

Malling Guardians.—Mr. H. C. H. Oliver, chemist and druggist, medical necessaries and soda-water.

Peterborough Guardians.—Mr. C. Hamson, chemist and druggist, drugs.

Southwark Borough Council.—Alfred Young & Co., carbolic powder; Adcocks, sulphur; Newton, Chambers & Co., Ltd., Izal, etc.

Stamford Guardians.—Mr. J. S. Prior, Ph.C., drugs etc.

Whitby Guardians—Mr. C. Tindale, chemist and druggist, drugs, etc.

Guardians' Affairs.

Sheffield Guardians have decided to give war bonuses to their dispensary staff of from 12½ to 15 per cent., as recommended by the Arbitration and Conciliation Board: these bonuses to be reconsidered six months after the declaration of peace.

Southwark Guardians have decided to raise the salary of Mr. W. A. Knight, dispenser, to 190*l.* per annum. Mr. Knight has been in the service of the Guardians for fourteen years. The L.G.B. scale permits a maximum of 200*l.* per annum.

Birmingham.

The Birmingham Ear and Throat Hospital is appealing for financial help.

There has been an epidemic of plate-glass window smashing in Birmingham during the past week. Robbery does not seem to be the object.

Oleum theobromatis is on sale in the Market Hall by fishmongers. "It looks like cheese," doubtfully observed a shopper there, eyeing it wistfully.

Sir Thomas Barclay has been elected a Vice-President of the Birmingham and West Midlands Special Appeal Committee promoting Lord Roberts's Memorial Workshops for disabled sailors and soldiers.

Mr. Wilfred Southall is lecturing in the Town Hall, on April 9, in aid of a War Benevolent Fund. The subject is the Holy Land, and Eastern costumes will be worn by Mr. Southall and a party of his friends.

Dr. James Coole Kneale, who has been appointed chief of the local medical examiners of recruits for the National Service Board, was at one time a pharmacist in business at Sparkshill, and has lectured on materia medica and pharmacy at Birmingham University.

Liverpool.

A cool and showery Easter has reduced holiday traffic to a minimum. Window-displays have consisted largely of influenza-remedies.

About two hundred of the workgirls of Evans Sons Lescher & Webb, Ltd., have formed a kind of dinner club, which they hold in St. Peter's Parish Rooms. The company find the rental and all incidental expenses, and the girls bring their own food.

A central-area pharmacist played a Good Samaritan's part on Easter Day by extracting a splint from a finger where it had lodged during an early service in church, and—more unexpectedly—a plug of tobacco from the ear of a sailor who had been trying a seaman's remedy for earache.

At the combined vestry-meeting for the parish of Liverpool, held on April 2, the Rector of Liverpool thanked Mr. Henry Peet for his many years' services as honorary auditor of the church accounts, and regretted that the increasing strain of business compelled his retirement.

Deep and widespread sympathy is being expressed with Mr. H. Humphreys-Jones at the loss of his only child (see p. 37). The funeral was attended by Mr. W. H. Clubb (Vice-President of the Liverpool Chemists' Association), Mr. D. H. Evans (Hon. Secretary), and Mr. J. H. Robinson. Mr. W. P. Evans, the President (who succeeded Mr. Humphreys-Jones in the chair), sent a message of sympathy from North Wales.—The reopening of the School of Pharmacy has had to be postponed to April 9.

Mr. W. L. Currie visited Liverpool on March 27 and returned at midnight, thus putting in a twenty-hours' day of work and travel. He was entertained at the Exchange Station Hotel by the Council of the Liverpool Chemists' Association, there being, including the guest, fourteen at table. Mr. W. H. Clubb (Vice-President) presided, supported by Dr. Symes, Messrs. Ashcroft, Brigham, D. H. Evans (Hon. Secretary), Ferriday, Furness, J. L. Hirst, M. S. Hughes, Last, L. Moreton Parry, J. H. Robinson, and J. G. Wallbridge.

Sheffield.

Mr. Victor Hanson (Walkley) is on leave from France, and in the best of health.

Mr. H. G. Fletcher, chemist and druggist, Eckington, has been elected a director of the Eckington and Mosbro' Gas Co.

Mr. Stanley Appleton, son of Mr. A. J. Appleton, Darnall, one of the founders of the local Society in 1867, has been severely "gassed," and is in hospital in France.

It has been decided to postpone the "smoker" which was to have been held at the Royal Victoria Hotel, as it is felt that it would be inopportune for the present to hold any function of a semi-social nature.

There is a growing opinion that something will have to be done at once locally, if not nationally, in the way of organisation. The local Society is in a more healthy state than it has been for some years, and is ripe for something to further trade interests.

An illustration is given in the local Press of Mr. Newsholme's old pharmacy, which is the only chemist's business remaining in High Street of the old traders. It was opened by Joseph Gillatt as a druggist's shop in 1807. Originally it was the site of the "Golden Cross" inn.

While not agreeing with all Mr. Wolff said during his recent visit here, the members of the Society took a fancy to his happy American style. He offered a word of caution to Mr. Ellis not to name any scheme as a trade union lest it should be killed at birth. The report of this meeting was unavoidably held over last week (see p. 46).

Miscellaneous.

Budget Anticipations.—An Excise Order has been issued prohibiting the withdrawal of spirits from bond in excess of the average daily quantity withdrawn in 1916.

Closing-hours Arranged.—Ipswich chemists have agreed to close at 8 p.m. on Fridays and Saturdays, 1 p.m. on Wednesdays, and 7 p.m. on other days.

Barley for Vinegar.—At Bristol on March 26, Purnell, Panter & Co., vinegar-makers, were fined 692*l.* 10*s.*, under the Defence of the Realm Act, for using barley for the manufacture of vinegar.

Poisonings.—At an Isleworth inquest on April 2, on the body of Mr. Frank Dendle, M.B., C.M., divisional police surgeon, evidence was given that the doctor, who had been a heavy drinker, was seen drinking "opium," explaining that it would clear his head. A verdict of "Death by misadventure" was returned.—Mrs. Lee, 12 Albert Place, Dublin, collapsed in the street on March 26, and subsequently died, from the effects of a corrosive fluid taken by misadventure.

Supply of Tinplate for the Drug-trade.—Particulars were given in the *C. & D.*, March 30, p. 44, of the scheme devised by the Chemists' and Druggists' Trade Committee for Tinplate Supplies to obtain statistics of the requirements of tinplate for packers of drugs and toilet articles. The date by which the returns were to be sent in has been extended to April 6, and users of tinplate packages who have not yet sent in their estimates should do so at once. The Committee's address is c/o The London Chamber of Commerce, 1 and 2 Oxford Court, Cannon Street, London, E.C. 4.

Death in a Shop.—While Mr. David Lewis, Ph.C. (Hamer & Lewis, chemists, 289 Broad Street, Pendleton), was busy with customers during the evening of March 31, a lady entered the shop and asked to be allowed to rest. After

about half an hour she fell off her chair, and was raised from the floor by Mr. Lewis, with the help of a customer. She was promptly taken to hospital on an ambulance, but it was found that life was extinct. Mr. Lewis had to appear at the inquest (at which heart-weakness was found to be the cause of death), and was considerately treated by the authorities in respect of his evidence, for which he was detained only a few minutes.

Sale of Food and Drugs Acts.—At Hull Police Court on March 28, Mr. Edwin Fowler, chemist and druggist, Hessle Road, was ordered to pay the costs of a summons for selling paregoric deficient in alcohol to the extent of 12 per cent. by volume. Mr. Fowler, who is seventy years of age and has been in business for forty years, was seriously ill and unable to be present. The analysis was not disputed on his behalf, but it was stated that all the samples of his drugs previously taken had been found to be of full strength. The Magistrates, in deciding that a technical offence had been committed, expressed their sympathy with Mr. Fowler in his illness.—At Witham, on March 27, F. L. Smith, Ltd., Chelmsford, were fined 5*l.* for selling Epsom salts containing seven times the permissible maximum of arsenic.

Fires.—The warehouses, mills, etc., of Brook, Parker & Co., Ltd., wholesale and export druggists, Nelson Street, Bradford, were gutted by fire on Good Friday. Damage to the extent of over 15,000*l.* was done, and Brook, Parker & Co., Ltd., inform us that for the present they are unable to continue business.—A fire occurred at the chemical-works of Menley & James, Ltd., Coldharbour Lane, Camberwell, on March 28. The accidental lighting-back of a superheater started a fire which did considerable damage to the premises. Unfortunately, the fire caused the death of a chemical-worker, whose clothes became ignited, and he died in hospital a few hours afterwards. Menley & James, Ltd., inform us that although the research laboratory was burnt down, the greater part of the works are intact, and the company hope to be able to carry on their chemical contracts without interruption.—A wooden structure containing two motor-bicycles and other effects, the property of Mr. P. K. Bottomley, chemist and druggist, Coppull, was recently destroyed by fire, damage estimated at 100*l.* being done.

Irish News.

Dental Negligence.

At Belfast Assizes on March 26, Jas. Farey was awarded 50*l.*, with costs, against W. P. Donnelly, unregistered dental practitioner, for negligence in the extraction of plaintiff's teeth. The Judge said he was satisfied that there was a lack of antiseptic precaution by defendant.

Drug and Surgical-appliance Contracts.

The following are additional contracts for drugs and surgical appliances which have been entered into by Irish Boards of Guardians. The percentages indicated are the discounts allowed by the contractors off the standard list of the Local Government Board:

Union	Medicines	Surgical Appliances
Abbeyleix ...	Boileau & Boyd, 7½%	—
Borrisokane	Boileau & Boyd, 10%	Fielding's Pharmacy, 15%
Claremorris ...	Boileau & Boyd, 10%	Clarke & Co., 16½%
Cork	Cork Chemical and Drug Co.	Fielding's Pharmacy
Dublin (South)	Boileau & Boyd, 17½%	Fannin & Co., 17½%
Dunshaughlin	Boileau & Boyd, 8¾%	Same contractors, 10½%
Tubbercurry ...	Boileau & Boyd, 7½%	Clarke & Co.

Galen Lodge.

The consecration ceremony of Galen Lodge of Freemasons, No. 437, which is composed of members of the pharmaceutical profession, took place on March 27 in the Masonic Hall, Arthur Square, Belfast. The following are the officers of the new Lodge: Bro. J. C. Culbert, W.M.; Bro. Huston Lancashire, J.P., Ballymena, I.P.M.; Bro. F. T. Smith, J.P. (Antrim), S.W.; Bro. Andrew Wilson, J.W.; Bro. J. A. Bingham, Treasurer and D.C.; Bro. J. Hewton, Secretary; Bro. Jas. Dundee, Chaplain; Bro. Samuel Nevin, S.D.; Bro. Herbert D. Heazley, J.D.; Bro. Hugh Crail, I.G.; Bro. John Adams, S.S.; Bro. N. G. McKinstry, J.S. and Organist. These brethren with the following constitute the foundation members: Bros. Wm. Hanna, C. Sweeney, A. W. Stevenson, Joseph Moffet, Alex. McMurray, P.M., J. Macauley, George Johnston, D. L. Kirkpatrick, P.M., D. R. Buller, Fred Storey, Herbert J. Harper, Henry Moore, and W. E. Wilson. All the officers were installed save Bro. Wilson, J.W., who was unable to be present owing to illness. After the ceremony the constitution dinner was held, under the presidency of the newly installed W.M.

Scottish News.

Brevities.

A shipload of aniseed from Archangel arrived recently at a northern port.

In the Glasgow Sheriff Court last week the Nestlé and Anglo-Swiss Condensed Milk Co. were awarded an interdict and 100*l.* damages against J. & A. Ferguson, Ltd., who sold Nestlé's milk otherwise than as sent out by the makers, and at higher prices than those fixed.

There has been little disposition on the part of the public to travel far this Eastertide, and the decision of the workers to do without a holiday has to a certain extent lessened the usual Easter rush on toilet-requisites. This is counterbalanced, however, by the steady demand for tonics, food beverages, etc. Meat-juices are in increasing demand.

Aberdeen.

Professor J. W. H. Traill, M.A., M.D., presided, in the absence of the Principal, at the spring graduation ceremony of Aberdeen University. Professor Traill is remembered in pharmacy as an examiner in botany to the Pharmaceutical Society and an erudite investigator into the relations between flora and fauna.

Second-Lieutenant W. G. Brown, Royal Garrison Artillery, is in hospital in Scotland suffering from the effects of shell-gas. In civil life Second-Lieutenant Brown was senior representative of W. Paterson & Sons, wholesale chemists, Aberdeen. His friends in the trade will be glad to know that he is progressing favourably.

Edinburgh.

A sign of the times is a proposal in the local tobacco-trade to deal on wholesale terms with *bona-fide* tobacconists only.

The egg-dyeing custom appears to be dying out locally, to judge from the few demands for cochineal and logwood this year.

"Pills might be useful and salutary, and yet it might be deceiving the public to represent that they were worth a guinea a box," said Lord Sands in the course of judgment in the Court of Session on March 27 in a slander case which arose out of an advertisement in a newspaper.

In Edinburgh Sheriff Court on March 27, Charles Knott and Charles Payne were each fined 5*l.* for using the emblem of the Red Cross without the consent of the Army Council, and for failure to register as a war charity in running a food exhibition. It was stated in evidence that the accused used paper and circulars bearing the Red Cross upon them.

Personalities.

Mr. F. J. Oliver, J.P., chemist and druggist, Maidstone, has been re-elected a Trustee of the Poor.

The name of the President of the Board of Trade is Sir Albert H. Stanley, not as given in the *C. & D.*, March 30, p. 43.

Sir William Gallagher, I.S.O., Chief Inspector to the Board of Customs and Excise, has been appointed a Commissioner of Customs and Excise, in succession to Sir Arthur J. Tedder, who has resigned.

At the annual meeting of the Chemical Society on March 21, the Longstaff medal for 1918 was presented to Lieut.-Colonel A. W. Crossley, C.M.G., formerly Professor of Chemistry to the Pharmaceutical Society, for his work on the hydroaromatic compounds. Professor W. J. Pope delivered his presidential address at the same meeting.

Mr. F. W. Chance, ex-M.P. for Carlisle, has presented to the Education Committee of that city the sum of 4,000*l.* for establishing a laboratory and lecture-room for chemical and physical instruction and research. An income of 600*l.* a year for five years has been guaranteed, and the gift will form a memorial to Mr. Chance's son, the late Captain A. F. Chance.

Legal Reports.

Sale of Agricultural Poisons.—The adjourned summonses, at the suit of the Pharmaceutical Society of Ireland, against Mr. E. J. Delohanty, Kilkenny, were again before the Magistrates at the Kilkenny Petty Sessions on March 26 (see *C. & D.*, March 9, p. 37). In one summons the defendant was charged with having sold arsenic contained in Cooper's sheep-dip to Patrick Butler, an inspector of the Pharmaceutical Society, contrary to the Sale of Poisons (Ireland) Act, 1870; and in a second summons he was charged with having kept open shop for the sale of poisons, contrary to the Pharmacy Act (Ireland), 1875. Mr. Wm. C. Meeke, solicitor, appeared for the Pharmaceutical Society, and Mr. Lanigan, solicitor, for the defendant. The case had been adjourned for a month because of the defence that the assistant procured the sheep-dip at a qualified chemist's in order to oblige Mr. Butler. Mr. P. D. Sullivan, Resident Magistrate, in whose hands the decision in Mr. Delehanty's case had been left by the other Magistrates, in giving judgment, said that in the first summons for selling to a person unknown the sale had been made by the assistant, who might have acted outside the scope of his employment; but, unfortunately, under the framing of the summons Mr. Delehanty was liable, and he would be fined 2*s.* 6*d.*, and costs. As regards the summons for keeping open shop, it had been given in evidence by Mr. Delehanty that he had not stocked sheep-dip or any other poison for the past eighteen months, and on these grounds that summons would be dismissed.

Salicylic-acid Plant.—In the Official Referee's Court on March 27, Mr. Muir Mackenzie concluded the hearing of an action brought by the Lennox Foundry Co., New Cross, to recover from Mr. J. H. Whittaker and others, trading as the Warrington Drug and Chemical Works, the sum of 220*l.* as part payment under a contract for supplying plant for the manufacture of salicylic acid. Dr. Cyril Atkinson, K.C., for the plaintiffs, explained that they sought to recover payment on account of a plant supplied for the production of salicylic acid. It was agreed that the plant should be paid for 50 per cent. with the order, 25 per cent. on delivery, and 25 per cent. when Mr. Lennox visited defendants' works to show how the results required could be obtained. The 50 per cent. with the order had been paid, but the 25 per cent. on delivery had not been paid, and it was for that instalment that the action was brought, Mr. Lennox stating that he was ready to visit the works to show how the desired results could be accomplished when the money had been paid. Mr. Langdon, K.C., for the defence, contended that the plant supplied had not fulfilled an alleged warranty, and that it was not capable of taking a charge of 162 lb., and would not produce the final results. Salicylic acid was formerly produced almost entirely in Germany, and after the war broke out certain designers in this country gave their attention to producing a plant for the manufacture of the acid. Mr. Lennox was one of these, and his firm had now twenty-four plants working with satisfactory results, producing about 90 per cent. of the entire output of the country. Judgment was reserved.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Norris Bros., Ltd. (P.C.).—Capital 5,000*l.* Objects: To carry on business as chemists, druggists, dentists, opticians, etc. R.O., 108-11 Moorgate Street Chambers, London, E.C.

Ralph Hall, Ltd. (P.C.).—Capital 2,000*l.* Objects: To carry on business as chemists, druggists, dealers in medicated wines, dealers in photographic requisites, etc. R.O., 552 Kingsland Road, London, E.

Dex, Ltd. (P.C.).—Capital 5,000*l.* Objects: To carry on business as chemists, druggists, manufacturers of and dealers in pharmaceutical, medicinal, chemical, and other preparations, etc. R.O., 40 Brazennose Street, Manchester.

Menolan Co., Ltd. (P.C.).—Capital 1,000*l.* Objects: To take over the business carried on by E. S. Francis at 233 Bristol Street, Birmingham, as "Menolan," and to carry on the business of chemists, druggists, drysalters, oil and colourmen, dealers in photographic and proprietary goods, etc.

Evans Sons Lescher & Webb, Ltd.—The half-yearly dividends on the 5 per cent. first cumulative preference shares, due April 1, have been posted.

Marriages.

Brown—Welton.—At Holy Trinity Church, Coventry, on April 2, by the Vicar (the Rev. R. B. Littlewood), Gordon F. H. Brown to Blanche, third daughter of Mr. Henry Welton, chemist and druggist, Bishop Street.

Stocks—Cockroft.—At Heath Congregational Church, Halifax, on March 27, by the Rev. F. Horrox, assisted by the Rev. F. W. Nicholson, H. R. Stocks, Ph.C., to Nurse Lily Cockroft, both of Halifax.

Deaths.

Baxter.—At Ballymoney, co. Antrim, on March 27, Mr. John Baxter, J.P., chemist and druggist, aged sixty-eight. Mr. Baxter was born at Tottypeel, and served his apprenticeship with Beattie Brothers, chemists, Ballymena, subsequently becoming their representative. In 1874 he opened the business in Church Street, Ballymoney, now carried on as Baxter, Ltd., chemists, and in 1906 was appointed a Justice of the Peace for county Antrim. Since the passing of the Local Government Act he had sat continuously as a representative of the Ballymoney district on the Antrim County Council. He was a brother of Sir William Baxter, Ph.C., Coleraine, an ex-President of the Pharmaceutical Society of Ireland. The funeral took place on March 28, and was largely attended.

Dibble.—At 4 Salisbury Road, Bristol, on March 21, Mr. John William Dibble, chemist and druggist, aged seventy-five.

Dyer.—At "Babingley," Malwood Road, Balham Hill, London, S.W., on March 23, Mr. Abraham Johnson Dyer, Ph.C.; father-in-law of Mr. A. P. Evans, pharmacist, Lavender Hill, aged seventy-nine. Mr. Dyer was apprenticed at Gosport to the late Colonel Mumby, and studied at the "Square" under Redwood and other famous teachers, passing the Major examination in 1864. For many years he carried on a successful dispensing business in Acre Lane, Brixton, retiring about twelve years ago. His golden wedding was celebrated in 1915. He was greatly respected and loved by those who had the privilege of his friendship.

Humphreys-Jones.—At 13 Berkley Street, Prince's Park, Liverpool, on March 29, after six days' illness, Mary Gwyneth Jones, only child of Mr. H. Humphreys-Jones, Ph.C., aged seven. The interment took place at Allerton Cemetery on April 2.

Knapman.—At 59 Heathland Road, Stamford Hill, London, N., on March 27, Mr. John William Knapman, F.L.A., aged sixty-nine. Mr. Knapman, who would have completed his seventieth year on April 4, had been Librarian to the Pharmaceutical Society of Great Britain for fifty-two years. At the time of his appointment he and the late Mr. Elias Bremridge were the only officers of the Society (see also p. 38). The funeral took place at Abney Park Cemetery on March 30.

Little.—At 35 Newlyn Road, Ecclesall, Sheffield, on March 19, Mr. Charles Walter Little, chemist and druggist, aged forty-eight.

Pye.—At 33 Louisville Road, Balham, London, S.W., on March 22, Mr. John Pye, chemist and druggist, aged seventy-eight. Mr. Pye was in business before August 1, 1868.

Died on Service.

Weir.—Bombardier James Ronald Weir, Royal Garrison Artillery, has died of wounds in France. Mr. Weir, who qualified in 1908, was for some years manager of the Oxford Street depôt of W. Bates & Co., Ltd., Southampton, afterwards joining the representative staff of Parke, Davis & Co. He entered the Army in May 1916. Mr. Weir was highly esteemed by all who came in contact with him, and much sympathy is felt with his bereaved wife and child.

White.—On March 22, Staff-Sergeant Ernest Charles White, R.A.M.C., chemist and druggist, First Southern General Hospital, aged thirty-one. After qualifying in 1913 Staff-Sergeant White was an assistant at Wolverhampton till the outbreak of war, when, not being physically fit for foreign service, he volunteered as a R.A.M.C. dispenser, subsequently receiving promotion. The funeral took place with military honours at Edgbaston on March 26, and was conducted by the Bishop of Birmingham. Among the members of the hospital staff present were Lieutenant-Colonel J. E. H. Sawyer and Captain E. C. Bennison, Ph.C. Numerous wreaths evidenced the esteem in which Staff-Sergeant White was held.

Pharmaceutical Society of Great Britain.

Council-meeting.

The monthly meeting of the Council was held on April 3 at 16 Bloomsbury Square, London, W.C., Mr. Edmund White (President) occupied the chair, and there was a full attendance.

The late Mr. G. S. Woolley.

The President, in referring to the death of Mr. G. S. Woolley, of Manchester, said that the passing of such a man meant the severing of a valuable link with the past He proposed the following resolution:

That this Council desires to record its profound regret at the loss sustained by pharmacy and the Pharmaceutical Society by the death of Mr. George Stephen Woolley, who served as a member of the Board of Examiners from 1867, and was a member of the Council of the Society for a period of twelve years. His experience, attainments, and enthusiasm rendered his counsel in the administrative affairs of pharmacy valuable and acceptable, while his personal qualities endeared him to a large community amongst pharmacists who will ever hold his memory in esteem and regard. The Council tenders its sincere sympathy to his relatives, and assures them of the high appreciation always associated with Mr. George Stephen Woolley in the official records of pharmacy.

Mr. Young, seconding, said he had known the late Mr. Woolley for well-nigh half a century, from the time that he as a boy of sixteen was beginning to prepare for his business in life, at a period when encouragement and sympathy were so valuable to a youth. From that time up to the time of his death Mr. Woolley and he had been on most intimate terms of friendship.

The resolution was carried in silence, the members upstanding.

The late Mr. J. W. Knapman.

The President next alluded to the death of Mr. Knapman, the Librarian of the Society, who, he remarked, was probably better known to members of the Society than any other officer. During the fifty years that Mr. Knapman had held the position most members of the Society had occasion to meet him, and they always found him in his place. In all respects he was a model for punctuality and attention to duties.

Elections and Restorations.

Twenty-two members and fifteen student-associates were elected. Two persons were restored to the Register of Chemists and Druggists and nine to the Society. The Registrar reported that thirty-one apprentices or students had been registered since the last meeting.

Correspondence.

A letter was read from the Chemical Society giving particulars of the meeting of the General Committee of that and allied Societies, at which a resolution was passed in favour of the publication of an English Bibliography of Scientific and Industrial Chemistry. The letter expressed the hope that the Council would concur with the view expressed, and suggested that it would be expedient to appoint the President to serve on the Committee appointed to determine the scheme. This suggestion was agreed to.

The London County Pharmaceutical Association forwarded a resolution urging upon the Council the necessity of taking steps to protect the interests of chemists with regard to the sale of certain foods usually sold by them in view of any regulations which may be issued by and under the authority of the Department of the Food Controller. It was formally agreed that this should be done.

A letter embodying a resolution passed by the Leeds Chemists' Association was read to the effect that in the event of a fund being inaugurated for the benefit of pharmacists who had suffered in any way as a result of service in His Majesty's Forces, that organisation would be prepared to give a preliminary subscription of a hundred guineas.

Finance Committee.

The report submitted by the Finance Committee is thus summarised:

The receipts of the General Fund since the last Committee-meeting amounted to 2,789*l.* 0*s.* 5*d.*, made up as follows: Penalties and costs, 33*l.* 16*s.*; Chemists' Annual, 2*l.*; registration-fees, 77*l.* 14*s.*; restoration-fees, 2*l.* 2*s.*; subscriptions, 2,070*l.* 12*s.*; examination-fees, 581*l.* 14*s.*; dividend, 21*l.* 2*s.* 5*d.*; making, together with the balance at last meeting, 5,309*l.* 3*s.* The amount recommended for payment was 1,271*l.* 11*s.* 10*d.* The other balances were: Benevolent Fund, (current account) 1,495*l.* 6*s.* 11*d.*, (donation account) 118*l.* 13*s.* 7*d.*; Orphan Fund, 115*l.* 8*s.* 3*d.*

The Treasurer, in proposing the adoption of the report, said that the Benevolent Fund had received a legacy of 100*l.* since the last meeting, and it had been considered wise to invest 450*l.* of the balance standing to credit.

The report was adopted.

Benevolent Fund.

Mr. Bilson, in proposing that the report of the Benevolent Fund Committee be adopted, stated that sums aggregating 55*l.* had been recommended for payment. Mr. Samuel Kay, of Stockport, had given a legacy of 100*l.*; Mr. Skinner had collected in connection with the special "Scrip" contributions 12*l.* 6*s.* 6*d.*; Oxford Chemists' Association had sent 5*l.*; West Ham, East Ham, and Metropolitan Essex Association, 3*l.* 11*s.*; Wolverhampton Association, 2*l.* 4*s.*; and Bournemouth Association had sent a cheque for 5*l.* 5*s.* as a donation to the Orphan Fund.

The report was adopted.

Library Committee.

The report of this Committee stated that the Pharmacopœia Notice published in the "London Gazette" (see p. 34) withdrawing authority for the use of lard and certain other fats in the manufacture of ointments and other preparations, and giving permission for the use in these of certain substitutes, had been under consideration. It had been recommended, on the suggestion of the President (Mr. White) that a Special Committee should consider the advisability of arranging a series of alternative formulæ, and of publishing these when complete. The following awards to students of the advanced course of the School of Pharmacy were recommended:

Botany.—Silver Medal, Hope C. M. Winch; Certificate of Honour, Vera Newcombe; Certificate of Honour, Annie Williamson.

Chemistry.—Silver Medal, Vera Newcombe; Certificate of Honour, Hope C. M. Winch; Certificate of Honour, Frederick N. Appleyard.

Practical Chemistry.—Silver Medal, Vera Newcombe; Certificate of Honour, Hope C. M. Winch and Annie Williamson (equal).

Materia Medica.—Silver Medal, Hope C. M. Winch; Certificate of Honour, Vera Newcombe; Certificate of Honour, Annie Williamson.

With regard to the suggested compulsory curriculum of study for the Qualifying examination of the Society, it was recommended that each candidate at the time of entry should produce evidence certified by the actual teacher or instructor that he or she had attended a systematic course of instruction occupying a period of not less than six months, such instruction to embrace sixty lectures on chemistry and physics, forty-five on botany, and twenty-eight on materia medica. The questions involved in the provision for the re-entry into civil life, after the war, of pharmacists and pharmaceutical students now serving with the Colours had been considered by the Committee. It was reported that the Secretary had been in communication with the Ministry of Labour on all the points involved. It was decided to make it clear to the authorities that the Pharmaceutical Society was willing to act in an advisory capacity, and to deal with applications as they arise. With regard to the position of Librarian rendered vacant by the death of Mr. Knapman, the Committee recommended that no appointment should be made in the meantime, but that the office staff be asked to attend to the duties connected with the issue of books. It was suggested that it would be well to leave over the appointment until the conclusion of war, so that, if it should be found practicable, a pharmacist who had served his country and had been rendered incapable of following his ordinary pharmaceutical duties should be selected for it.

The President explained that the Pharmacopœia Notice in the "London Gazette" referred to in the report of the Committee meant that the General Medical Council had withdrawn from the B.P. the official formulæ for the preparation of certain ointments and liniments in which lard and certain other fats were used. The suggestion was that the Committee should be called together in order that formulæ could be devised which would ensure a measure of uniformity, and would be accepted by the Insurance Committees as a standard that should be generally observed. If ointments and other preparations were made in different forms there could be no fixed price.

Mr. Parry suggested the danger of using certain mineral oils in the preparation of specified articles.

The President replied that all the points would have the serious consideration of the Committee, whose recommendations would also be subject to revision. Dealing next with the question of the compulsory curriculum, he said that in considering its recommendations, the Committee gave due weight to the abnormal conditions of the past few years. The educational conditions of the country being in a chaotic state, and in view of the great change that was contemplated being made in the national system of education, it was thought that the curriculum should be made as fluid and elastic as possible. For this reason it was thought that six months should be fixed as the minimum for the

preliminary course of training. The whole scheme of the curriculum would be influenced by the proposals for secondary and technical education which were bound very soon to come before Parliament, and the present view was that they should have a curriculum from which they would not have to recede.

Mr. Campkin pointed out that there was a marked difference in character and assimilation among students. To some of them a compulsory curriculum of six months might not be sufficient; to others it was a period beyond that which they required, because of their greater assimilative power.

Mr. Deakin thought the descriptions "fluid" and "elastic" given by the President to the curriculum adequately illustrated the purpose of the Committee in recommending it. They did not wish to make it too long; and, on the other hand, they were careful not to restrict it so that every student would have his opportunity and chance according to the opportunities afforded him to secure the necessary training.

The President acknowledged the Committee's and his own indebtedness to teachers throughout the country who had responded to the invitation to render their assistance in formulating the curriculum. Referring next to the re-entry into civil life of pharmacists and pharmaceutical students, the President said the Committee's attitude was one of sympathy towards those who are at present serving the country. They would do everything they could to facilitate the resumption by those men of their duties in civil life when the war was concluded. It had been left to him to draft the annual Report of the Society, and he hoped that before next month members of the Council would have the draft in their hands.

The report was adopted.

The Secretaryship.

The report of the Parliamentary and General Purposes Committee recommended that at the June meeting Mr. W. S. Glyn-Jones, M.P., be appointed Secretary and Registrar of the Society in succession to Mr. Woolcock, who had resigned.

The President proposed the adoption of the recommendation. He pointed out that in June a new Council would be elected whose duty it would be to make the appointment; but having examined the present situation in all its bearings the Committee thought that in order to obviate difficulties the present Council should make the recommendation proposed. What was uppermost in their minds was that by the retiral of Mr. Woolcock they would lose a man who for five years had been in all the storm and stress of pharmaceutical politics. They would be left in a situation of very great difficulty because problems which called for solution were coming upon them thick and fast. As a matter of fact, Mr. Glyn-Jones, in the capacity of Parliamentary Secretary, had been acting as colleague to Mr. Woolcock for a long time past. That being the case, it struck him as a sound business proposition that he should be appointed to the position shortly to be vacated by Mr. Woolcock. Mr. Glyn-Jones had been in the thick of the pharmaceutical political fight for the past twenty-five years, and now, when great difficulties and important problems confronted them, it would be wise if they took the fullest advantage of his services. If the appointment was made, it was the earnest hope of all of them that the health of Mr. Glyn-Jones would remain good, and that he would be able to render them his valuable assistance in the troublous times with which pharmacy was confronted.

Mr. Sargeant remarked that the conspicuous ability, present position, and past experience of Mr. Glyn-Jones pointed to that gentleman as the only fit successor to Mr. Woolcock. Therefore he (Mr. Sargeant) could not for one moment, from a personal point of view, criticise the proposed appointment. But having the feeling that the Secretary of the Society should devote the whole of his attention to the work of his office he was unable to support the resolution submitted. He understood that Mr. Glyn-Jones was not prepared to devote his whole time to the duties. He held a position as Secretary of a trade association which, in his (Mr. Sargeant's) judgment, was incompatible with that of Secretary and Registrar of the Society. He thought most members of the Council considered there was something objectionable in that unnatural connection, and that there must be some very grave reason why they should tolerate it. He hoped that this intolerable position would be but temporary in its character, and that Mr. Glyn-Jones would see his way to give his whole time to the duties of the office. It was very difficult for any man, however conspicuous his abilities, to serve two masters—to serve the Society composed of professional men and a trade association whose membership was not entirely composed of pharmacists.

Mr. F. J. Gibson remarked that a Bill would probably be brought before Parliament raising the military age to fifty. He did not think, in view of this, that the Society could go before any Government body and plead that they could not carry on unless they had as Secretary a man who was not fifty years of age. A man of Mr. Glyn-Jones's ability and enthusiasm would be able to give sufficient time to the duties of the office.

Mr. Campkin thought that with the prospect of the setting up of a Ministry of Public Health they needed for a Secretary a man of experience, an old Parliamentary hand. He was quite aware there was a number of eligible men in pharmacy to any one of whom they might have given the appointment in ordinary times, but these were abnormal times, and many of the best men in pharmacy, being of military age, were at the moment engaged on active service. They had this to remember, that the appointment was open to revision from year to year.

Mr. Gifford remarked that in connection with the appointment there was a difficulty which he was afraid had been magnified. (Hear, hear.) It was a fact that one of the greatest difficulties pharmaceutical politicians had was the fact that they mixed up with their work the trading element, which added to the complexity of the problems they had to deal with. The efforts of the Council to increase the importance of the professional side of the chemist's position, which had been very successful, had been helped rather than stultified by the fact that they had also to deal with trade matters. At first it seemed to him that Mr. Glyn-Jones's connection with the P.A.T.A. was a serious difficulty, but he had been making progress. His friend, Mr. Sargeant, might say it was a rake's progress, but he claimed it to be a pilgrim's progress. (Loud laughter.)

Mr. Currie intimated that he could not recede from the position he had taken up the previous night. He had the highest admiration for Mr. Glyn-Jones, but on a question of principle he could not see his way to become one of those unanimous members who desired the appointment to go through in the form suggested.

Mr. Skinner associated himself with Mr. Sargeant's protest. He thought the Society had the right to the clear and exclusive service of its Secretary, and he still believed it possible that the conditions for which the dissentients to the appointment asked might yet be arranged.

Mr. Bilson submitted that there was absolute and perfect knowledge of Mr. Glyn-Jones's association with the P.A.T.A. during the years he had been a colleague of Mr. Woolcock. They also knew perfectly well that he occupied the position of Private Secretary to the Minister of Reconstruction. And many of them deliberately hoped that yet further honours would come to Mr. Glyn-Jones for the great work he had done on behalf of pharmacy and in connection with the great national institutions with which he had been associated. If his appointment as Secretary was to be transitory they would have to put up with it. If during the period of reconstruction it was found that Mr. Glyn-Jones could not continue as Secretary they would be glad to see him at that table as a member of the Council.

Mr. Rowsell also supported the recommendation of the Committee. He submitted that exceptional times necessitated exceptional treatment, and there was no man who knew the needs of the trade or profession better than Mr. Glyn-Jones.

Mr. Guthrie expressed himself in thorough accord with the protest made by Mr. Sargeant. Indeed, he would have been prepared to have gone even further than that gentleman by moving that the resolution should be remitted back to the Sub-Committee. Had this been done he would not have been without hope that as a result of what had been said at that table some rearrangement would have been arrived at which would have got the Council out of its present difficulty. There were means of bridging the temporary gap which would be open to less objection than the step proposed by the Committee.

The President: You do not object to the Parliamentary Secretary occupying another position, but you do object to the Secretary occupying another position. Just think for a moment. Is it a just and generous thing to ask a man to serve you as Parliamentary Secretary while holding that appointment and yet object to his serving you as Secretary and Registrar while holding the same appointment? (Hear, hear.)

Mr. Sargeant: There is a distinct difference between the position of Secretary and Registrar, who has charge of the whole affairs of the Society, and that of the Parliamentary Secretary, whose work is more or less outside.

Mr. Hagon thought that in asking Mr. Glyn-Jones to accept the position they were doing the wisest thing for pharmacy. So long as his health continued to be as good as it had been he saw no reason why he should not go on with the work and do it efficiently and well.

Mr. Parry regarded the discussion as unenlightening. No one had brought forward any alternative proposal to the one before them, and until someone did so he must support the recommendation of the Committee.

A show of hands was then taken, when 14 voted for the recommendation of the Committee and 6 against. The President did not vote for or against it.

Auditor's Report.

The auditor's report was submitted, an abstract of which is given at the end of this report.

Nominations for Council.

The Secretary reported that nineteen nominations had been received for the seven vacant seats on the Council, and that the following nominees had expressed their willingness to accept office if elected: Buchanan, Margaret E., London; Campkin, A. Sidney, Cambridge; Gibson, F. John, Wolverhampton; Guthrie, Thomas, Glasgow; Joseph, Leo, Cardiff; Keall, John, London; Kirkpatrick, James, Upton Manor; Melhuish, A. R., London; Neathercoat, E. T., Weybridge; Ridyard, Clement W., Codnor; Sargeant, F. Pilkington, Leeds; Wolff, Hugo, Tottenham. Five other chemists who had been nominated had not expressed their willingness to accept office.

Nomination for Auditor.

The Secretary stated that Mr. J. C. Umney had intimated that he would be unable to accept nomination for re-election as an auditor.

The President said that as Mr. W. H. Gibson had given notice that it was not his intention to seek re-election to the Council he would move that that gentleman be nominated for the position of auditor.

Mr. W. H. Gibson thanked the Council for having so kindly nominated him for an appointment the duties of which, he assured them, he was willing to perform. During the fourteen years he had served at the Council he had received nothing but kindness and consideration from the members.

Pharmacists in the Army.

A report on pharmaceutical service in the R.A.M.C. was read by the Secretary, and its adoption was moved by Mr. Jenkin and seconded by Mr. Hines. The President pointed out that its terms and recommendations must in the meantime be regarded as private.

Conference on National Insurance.

Mr. Rowsell reported that in company with Mr. Jenkin and Mr. Barry he attended the Conference on National Insurance.

This concluded the public business.

Financial Statements.

General Fund Account.

Expenditure (two years compared).

	1916 £	s.	d.	1917 £	s.	d.
Annuities	700	0	0	550	0	0
Carriage of Books and Parcels	6	18	10	2	11	4
Certificates of Death	22	15	0	23	1	7
Examinations: Minor and Major—						
Fees to Examiners and Travelling Expenses—						
England and Wales	699	12	6	380	8	0
Scotland	251	0	0	152	6	6
Refreshments—England and Wales	34	8	9	19	14	5
Scotland	23	10	7	15	19	11
Apparatus, Drugs, Chemicals, Printing, and sundry charges—England and Wales	175	16	11	148	2	6
Scotland	63	8	11	48	7	5
[*Totals*: 1916, £1,247 17*s.* 8*d.*; 1917, £764 18*s.* 9*d.*]						
Gas, Electric Light, Water, Coal, Cleaning, Materials, etc.	351	10	4	361	16	11
House Servants—Wages	407	10	6	425	11	6
"Pharmaceutical Journal"	2,180	18	11	2,025	16	7
Library:—Librarian's Salary	300	0	0	300	0	0
Purchase and Binding of Books, etc.	48	3	0	36	1	6
[*Totals*: 1916, £348 3*s.*; 1917, £336 1*s.* 6*d.*]						
Furniture	0	0	0	13	7	2
Law Costs	428	8	8	429	13	9
Museum:						
Curator	250	0	0	250	0	0
Assistant's Wages and Sundry Expenses for Bottles, etc.	96	15	4	100	17	2
[*Totals*: 1916, £346 15*s.* 4*d.*; 1917, £350 17*s.* 2*d.*]						
North British Branch:						
Resident Secretary in Scotland and Clerks—Salaries	590	0	0	599	15	0
Taxes and Insurance	122	10	7	103	1	4
Members of Executive—Travelling Expenses, etc.	44	2	2	38	11	11
Fuel, Light, Water, Cleaning, Service, and Miscellaneous Expenses	328	0	10	280	1	10
[*Totals*: 1916, £1,084 13*s.* 7*d.*; 1917, £1,021 10*s.* 1*d.*]						
Evening and other Meetings	18	9	9	17	15	8
Postage:—General	191	8	6	198	16	5
"Journal"	1,258	8	5	1,263	2	1
[*Totals*: 1916, £1,449 16*s.* 11*d.*; 1917, £1,461 18*s.* 6*d.*]						
Register of Chemists and Druggists	13	6	9	61	15	9
Rent, Taxes and Insurance	831	11	1	606	12	3
Premium on Leasehold Redemption Policies	128	2	6	128	2	6
Repairs, Alterations, Electric Service and Fittings	117	7	1	171	10	0
Salaries:—Secretary and Registrar	839	11	8	739	11	8
Clerks	1,711	11	6	1,808	13	0
[*Totals*: 1916, £2,551 3*s.* 2*d.*; 1917, £2,548 4*s.* 8*d.*]						
School of Pharmacy and Research Laboratory:—						
Stipends of Professors	1,007	2	5	1,062	10	0
Lecturer, Assistant Lecturer, Demonstrators, and Wages of Porters	521	12	2	598	13	6
Apparatus, Chemicals, Specimens for Lecture Classes, Prize Medals, Certificates, Printing and Posting Prospectuses	351	14	6	440	2	6
[*Totals*: 1916, £1,880 9*s.* 1*d.*; 1917, £2,101 6*s.*]						
Bacteriological Laboratory	0	0	0	131	13	9
Stationery, Printing, and Office Expenses	390	15	5	443	4	2
Calendar of the Society	152	12	6	210	8	0
Sundries	14	12	4	6	12	5
Cost of conducting Prize and Scholarships Examinations	17	8	8	13	6	6
Medals and Certificates—Council and Herbarium Competitions	6	0	6	9	16	3
Travelling Expenses and Refreshments for Council	637	7	8	788	9	2
Local Associations and Parliamentary Expenses: Meetings, etc.	981	9	1	362	16	5
Telephone Service	33	1	11	27	9	0
Fees to Chartered Accountant	42	0	0	52	10	0
Staff Provident Fund	205	3	6	194	11	7
"The Chemists' Annual"	257	6	6	2	5	7
Depreciation of War Stock on Sale	190	0	4	0	0	0
Annual Table of Constants, etc.	0	0	0	10	10	0
Subscription to Board of Scientific Societies	0	0	0	21	0	0
	£17,043	16	7	£15,677	4	6

Income (two years compared).

	1916 £	s.	d.	1917 £	s.	d.
By Examination-fees:—						
Minor (558 in '16, 265 in '17)	3,697	5	0	1,885	15	0
Major (24 in '16, 19 in '17)	71	8	0	55	13	0
Registration-fees as Students (412 in '16, 402 in '17)	865	4	0	844	4	0
Fees for Restoration to Register	24	3	0	27	6	0
Certificates of Qualification	36	4	0	28	12	0
1 Registration as Chemist and Druggist	0	0	0	12	12	0
[*Totals*: 1916, £4,694 4*s.*; 1917, £2,841 10*s.*]						
Interest on Investments:—						
Dividend on Port of London Authority Stock	67	3	9	62	6	8
Dividend on Water Board Stock	45	0	4	42	4	10
On Deposit at Banker's	0	0	0	52	0	11
Dividend on War Stock	170	14	6	162	11	6
	285	11	2	319	3	11
Less Interest on Loan from Benevolent Fund	35	5	0	55	0	0
	250	6	2	264	3	11
Ground-rents	222	18	9	412	10	0
Net Rent of 15 Bloomsbury Square	152	6	3	145	10	0
[*Totals*: 1916, £625 4*s.* 2*d.*; 1917, £822 3*s.* 11*d.*]						
School-fees	1,073	10	0	709	5	2
Grant from the Board of Education	453	10	0	279	0	0
Subscriptions:—						
Members (8,234)	7,932	15	0	8,645	14	0
[427 Subscriptions remitted.]						
Student Associates (482)	236	15	6	253	1	0
[83 remitted.]						
Life Subscriptions	357	0	0	514	10	0
[*Totals*: 1916, £8,526 10*s.* 6*d.*; 1917, £9,413 5*s.*]						
British Pharmaceutical Codex—Balance of Account	163	2	1	129	2	2
Pharmaceutical Pocket Book	0	0	0	42	18	7
	£15,536	7	9	£14,245	16	10
Balance from Accumulated Funds	1,507	8	10	1,431	7	8
	£17,043	16	7	£15,677	4	6

The balance-sheet of the General Fund and the accounts of the Benevolent Fund, the Orphan Fund, Scholarships Funds, and Waterall Legacy were also given.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

"Alma" brand cheese rennet, 41/7

"Tubular" soothers, 42/20

Carlton's condition powder, 23/72

Observations and Reflections

By Xrayser II.

Nominations for the Council

have, I am glad to hear, been "unprecedented" in number this year, and I sincerely hope the same is true of those who are willing to stand. I do not know what proportion of the nominees may be classed as Progressives, but in any case the number of nominations betokens an awakening of interest in pharmaceutical politics, and any sign of life augurs well for ultimate progress. The vacancy of the Secretaryship, and the underground tactics by which the Council has sought to fill it, probably account for some of the nominations, and the programme of reforms prepared or preparing by the Progressive Pharmacy Club for still more. With regard to the vacant post two things should be made plain: (1) that we must have a whole-time Secretary, not one who sits on two stools (insistence on this is urgent after Mr. Skinner's revelations in North London), and (2) that he must not be chosen from among members of the Council, as, otherwise, his place there will be filled by co-optation, the anti-democratic device by which our representation on the Council is thwarted and injured. This may not be so serious a point as the other, but it is important enough. If there is any aspirant for the Secretary's office who is also a candidate for the Council, it ought to be insisted upon that before becoming a candidate for the former he should retire from the contest for a seat on the Council. Only the Council itself can do this, and I appeal to those members who have democratic representation at heart to see to it.

Mr. P. F. Rowsell

deserves our warmest thanks for his speech before the Faculty of Insurance on chemists' work under the Insurance Act. The good time to which he looks forward, in which there will be no dispensing establishment of any kind that is not under the control of a qualified chemist, will be some time in coming, but the way to hasten it is not to submit to our effacement in the present, but on every possible occasion modestly yet firmly to insist on our right to the position for which we alone are specifically qualified. Our record as Insurance dispensers is a great asset in any propaganda of the kind, and Mr. Rowsell neither said too much in our praise nor claimed more than our due in declaring that our past service has been "of an exceedingly satisfactory character," and that we both desire and deserve a chance of showing under the Ministry of Health that we are capable of greater service still if the opportunity is given us. Such a declaration, so enforced, ought to secure us a representative on the Board of Health and a proper share of work under it.

"Liaison"

is a word with nasty associations, and I do not wonder that the Proprietary Articles Trade Association propose to substitute "Assistant Local Secretary" for "Liaison Officer." The word is of course innocent enough in itself, and in French may not have quite so sinister a significance as with us, for whom it almost invariably means something illicit, except when it is used as a term in cookery. Coming ultimately from the Latin *ligare*, to bind, it would be a very appropriate title for an official whose function it is to organise and weld together, if unfortunately it had not been "soiled by all ignoble use."

The Policy Advocated

by "Fair Play" in his letter of last week is so utterly impracticable, and so subversive of the principle for which we stand in relation to the medical profession—to say nothing of our claim to consideration as servants of the public—that it ought to be repudiated at once by all responsible pharmaceutical statesmen. We cannot reasonably, or with any prospect of success, dictate to proprietors by what channels they shall distribute their goods, and if we were so ill-advised as to try we should be destroying our case against the encroachments of the doctors on free trade in physic. I know, of course, that free trade in physic has its necessary limitations, but it is not to our interest to limit it further than the safety of the public demands; to attempt to do it barefacedly in our own interest would be a disastrous mistake; it would be to give a weapon into the hands of those who are already sufficiently eager to curtail our freedom unnecessarily. We claim to be ourselves professional, or at least semi-professional, men; let us not adopt the exclusive professional attitude (and that from the most sordid motives), at any rate before we have secured the professional position. As for the practicability of such an attempt at a monopoly as your correspondent desires, I need not say much; it has taken the Proprietary Articles Trade Association I know not how many years to win for us the very slight consideration we get from many proprietors, and from some we get virtually no consideration at all, nor have we any prescriptive right to the position "Fair Play" would have us demand. I remember a time when stationers rather than chemists were regarded as distributors of patent medicines, and when many of our own craft rather frowned upon than encouraged the traffic in them. From the tradesman's point of view this may have been bad policy, but personally I prefer it to your correspondent's, and should do so even if the latter had any chance of success.

Trade Notes.

Cynta Hygienic Towelines for ladies are made by the Cynta Manufacturing Co., St. Thomas's Place, Stockport. The prices are given in the company's announcement in this issue.

Cutolav Medicated Toilet-soap is wanted in the springtime. Price's, Battersea, London, S.W. 11, recommend it as reasonable in price to the public and profitable to the chemist.

C. & D. Diary, 1918.—The address of Burnside & Co., eucalyptus distillers, should have been given as 439 Flinders Lane, Melbourne. The distilleries and plantations are at Neilborough.

One-line Window-shows are popular just now for several reasons. Sangers, 258 Euston Road, London, N.W. 1, show how an effective dentifrice-window can be arranged at a trifling cost.

Cresyl-"Bell," a vaporant for whooping-cough and bronchitis, is still obtainable. The makers are John Bell, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, London, S.E. 1.

La Fougere Gignoux, a veterinary extract of male fern, is offered by Gignoux Frères & Cie., Lyons, as a remedy for liver-fluke in animals. The London agent for the firm is Mr. R. Ansay, 44 Wilson Street, Finsbury, E.C. 2.

Price Alterations.—Papier Poudré, Ltd., 20 Baker Street, Portman Square, London, W. 1, have been obliged to increase the prices of Papier Poudré. The new prices, retail and wholesale, are given in an advertisement in this number.

Saccharin Tablets.—Jules Denoual & Co., Carlton Works, Asylum Road, London, S.E. 15, make an announcement in this issue regarding saccharin tablets. The firm have received such a large amount of correspondence regarding the price of saccharin tablets that they have taken this opportunity of stating their position. Meanwhile they are making tablets by the million, and will continue to do so so long as supplies of saccharin are obtainable.

P. K. L.—Ayrton, Saunders & Co., Ltd., Liverpool, advertised this new line—Pain Killing Liniment—in the *C. & D.* a fortnight ago, with the result that the stock in hand was soon absorbed by customers. It having been necessary to purchase further stocks of ingredients at much enhanced prices, the wholesale price has had to be increased to 10*s.* per dozen for the small size. This increase only represents part of the enhanced cost to the manufacturers.

To Make acacia mucilage more tenacious add 2 per cent. of glue.

To Fix Iron in Wood, fill the socket with flowers of sulphur; then heat the iron to a moderate degree and push it down into the socket. The sulphur, after melting, sets like a cement.

BRONCHITIS, ASTHMA, COUGHS, INFLUENZA, &c.

"SANITAS-INHALANT"

Is now being advertised, and should be stocked by all Chemists.

2s. 6d. BOTTLES.

Most Effective Remedy for all Lung and Throat Affections.

The SANITAS CO., Ltd., Limehouse, LONDON, E. 14.

S.V.R. — S.V.M.

JAS. BURROUGH, LTD.,

D.1. Cale Distillery, Hutton Road, LAMBETH, S.E. 11.

SACCHARIN TABLETS.

An impression has been caused by recent announcements that Government-controlled Saccharin has already been distributed to tablet makers. This is not so. Since the sugar shortage caused increased demand for Saccharin we have continuously manufactured Saccharin Tablets. These we have promptly distributed to the Trade. We are continuing the manufacture. All our tablets have been manufactured from imported Saccharin, the regular supply of which we have secured by anticipating our requirements months ahead. Arrangements are now being made for the distribution of

BRITISH-MADE SACCHARIN

to tablet manufacturers, but supplies have not yet been distributed.

We have been inundated with inquiries from customers asking what we intend to do regarding

CONTROLLED SACCHARIN TABLETS.

To these inquiries we supply the following particulars:

When supplies of Controlled Saccharin are available we shall at once proceed with the manufacture of the tablets, and whatever conditions are made by the Government we shall carry out.

If supplies are sufficient to meet our requirements all orders will be accepted and promptly dealt with.

If supplies are not sufficient for our requirements we shall regulate supplies of tablets to our regular customers accordingly, but no new business will be accepted.

It is not our intention to allow our plant to stand idle, and if Controlled Saccharin cannot keep us going we shall continue to offer Uncontrolled Saccharin Tablets unless Government restrictions prevent this.

Whilst we are waiting for Controlled Saccharin we are continuing the manufacture of tablets from imported Saccharin, and these we offer at the following prices:

100's	200's	500's	1000's
22/6	**44/-**	**106/-**	**210/-**

Per lb., **120/-**

Orders for these are exceptionally large at present, but we can in most cases dispatch within 24 hours of receipt of order.

JULES DENOUAL & CO.

Carlton Works, Asylum Rd., Peckham, S.E. 15.

FRENCH AND ALL FOREIGN

Proprietary MEDICINES

Wilcox, Jozeau & Co.

49, HAYMARKET, LONDON, S.W.

Export and other Buyers should apply for a List.

Foreign prescriptions dispensed for Pharmacists.

NOTICE TO THE TRADE

ADVANCE IN PRICE OF

"PYLITNA" POWDERS.

We hereby give notice that the Retail price of "PYLITNA" Powders, Ointments and Tablets is

5/- per box.

After deducting extra sixpenny duty stamp, old stock will show, at 5/-, a retail profit of 2/7½ per box, if bought on our best co-operative terms.

Special Wholesale Terms for Co-operation.

G. S. MUMFORD & SONS, Farringdon Rd., LONDON, E.C.1.

Sugar is not required—if

Fletchers' Concentrated Liquors

are used in place of the corresponding Syrups.

FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

The Saccharin Position.

As stated last week, the decision had been arrived at that the whole of the saccharin of British manufacture, which is controlled by the Ministry of Food, is to be supplied to tablet-makers on certain conditions. The first is that the tablets are, as we mentioned, to be charged for at fixed prices both by the makers and the chemist. The following is the list of prices:

Packages of—	Wholesale	Retail
Full-strength Tablets.		
100 Tablets	12*s.* doz. net.	1*s.* 3*d.*
200 Tablets	23*s.* 3*d.* doz. net.	2*s.* 5*d.*
500 Tablets	55*s.* doz. net.	5*s.* 9*d.*
Half-strength Tablets.		
100 Tablets	8*s.* doz. net.	10*d.*
200 Tablets	15*s.* 2*d.* doz. net.	1*s.* 7*d.*
500 Tablets	35*s.* 3*d.* doz. net.	3*s.* 8*d.*

It should be explained that two strengths of tablets are to be made—

(*a*) Each tablet containing 0.3 grain 550 saccharin, known and labelled as *Full-strength.*

(*b*) Each tablet containing 0.15 grain 550 saccharin, known and labelled as *Half-strength.*

The allocation of saccharin is to be made to tablet-manufacturers by a Committee consisting of representatives of the Drug Club and the Chemists' Supply Association, of which Committee Mr. T. Edward Lescher, 60 Bar-

Index Folio 270

tholomew Close, London, E.C., is Secretary. At present tablet-makers will be supplied *pro rata* according to the amount of British saccharin available. We understand that about half a ton is ready, and although this may seem a large amount for converting into tablets, it is nothing like enough to satisfy the present requirements of tablet-makers. Whether the supply of British saccharin will be sufficient to overtake the demand is an open question, especially in view of the fact that there is considerable dissatisfaction in regard to the terms which have been offered to the saccharin-makers. One maker has been granted terms which ensure him a definite profit on all the saccharin he makes, regardless of the cost of materials, labour, plant, etc., whilst other makers who have just as good claims are treated much less liberally. This may lead to a cessation of supplies from some of the makers, and result in insufficient quantity of British saccharin being available to fill the demands of the moment. Considering the fact that before the war every grain of saccharin was imported into this country, it will be deplorable in the national interests if any action is taken that may discourage British makers. The Department concerned with this matter is not credited with such a sympathetic attitude as is desirable in view of the necessity of encouraging the growth of the British fine-chemical industry, but we hope that a change in this attitude will occur, with or without the intervention of Parliament.

British Pharmacopœia Modifications.

As indicated recently in our columns, the question of the withdrawal of the use of edible fats and oils from medicinal preparations has been under consideration of the authorities for some time. The notice printed on p. 34 from the "London Gazette" indicates that the General Medical Council has at last consented to effect modifications in the galenical formulæ of the British Pharmacopœia containing lard, suet, olive oil and castor oil. From March 29 the following alterations of the British Pharmacopœia became operative:

Preparations Withdrawn.

Lin. camphoræ	Lin. terebinthinæ aceticum
Lin. chloroformi	Liq. cresol saponatus
Lin. hydrargyri	

Preparations which may be Modified.

Collodium flexile	Ung. gallæ cum opio
Emp. belladonnæ	Ung. hydrargyri
Emp. calefaciens	Ung. hydrargyri ammoniati
Emp. hydrargyri	Ung. hydrargyri compositum
Emp. plumbi	Ung. hydrargyri iodidi rubri
Emp. resinæ	Ung. hydrargyri nitratis
Emp. saponis	Ung. hydrargyri oleati
Lin. ammoniæ	Ung. hydrargyri subchloridi
Lin. calcis	Ung. iodoformi
Liq. epispasticus	Ung. myrobalani
Sapo durus	Ung. myrobalani cum opio
Sapo mollis	Ung. picis liquidæ
Ung. aconitinæ	Ung. plumbi iodidi
Ung. atropinæ	Ung. potassii iodidi
Ung. belladonnæ	Ung. resinæ
Ung. cantharidini	Ung. staphisagriæ
Ung. cocainæ	Ung. sulphuris
Ung. gallæ	Ung. zinci

It will be seen that the form in which the alterations have been made differs from that adopted in the case of galenicals containing glycerin and sugar which were withdrawn on July 27, 1917 (*C. & D.*, August 4, p. 44). In the "Gazette" notice of March 29 only four preparations are withdrawn, but permission is given to modify thirty-six other compound articles. It should be observed that lard, suet, and olive oil are not withdrawn, but permission is given to employ other ointment-bases in place of lard and suet and to use ground-nut oil and sesame oil in place of olive oil. Lard is employed, either as adeps benzoatus or adeps præparatus, in twenty-four B.P. ointments (ung. iodi was withdrawn in July 1917), and suet (sevum benzoatum and sevum præparatum) in ung. hydrargyri or for hardening ointments intended for use in tropical and subtropical parts of the Empire. Olive oil enters into the composition of six of the eight plasters, in ung. hydrargyri co., ung. resinæ, and hard and soft soap. Ol. arachis and ol. sesami were already permitted to be used in place of olive oil "in India, and in the Eastern, African, and Australasian Divisions of the Empire," and the "Gazette" notice has the effect of extending this permission to the United Kingdom. In the case of castor oil permission is given to use "modified castor oil of commerce, commonly known as 'neutralised seconds castor oil,'" in official preparations into the composition of which castor oil enters, but only in the United Kingdom. The castor-oil preparations referred to are collodium flexile and liq. epispasticus, the other galenical, liq. cresol saponatus, having been withdrawn from the Pharmacopœia. It is not obvious why this difference has been made in the method of treating these compounds which contain castor oil, and it should be observed that the impure castor oil referred to is not made official for internal use as a medicine for human beings. The reason for the scarcity of castor oil—its particular use as a lubricant for aircraft—is well known. The consequence has been that for several months past the Government has absorbed practically all the pharmaceutical castor oil that could be made either here or abroad, so that wholesale druggists have only been able to supply very limited quantities, or in some cases nothing at all. This has led to vigorous complaints from retailers, and upon their stating their requirements to the Ministry of Oils and Fats some relief appears to have been afforded, as we understand that wholesale suppliers and distributors have in several instances been allowed to take delivery of lots of half-ton of "neutral castor oil for medicinal purposes only." This is packed in the usual tins and cases, and is supplied to wholesalers at the fixed price of 88*l.* per ton, but the distributor has to pay carriage from the works. The quantities that have been released are, however, quite insufficient to cope with the public demand for castor oil. We understand that in several cases the supplies have been distributed and nothing further is forthcoming for the moment. Almond oil is not mentioned in the "Gazette" notice, so that notwithstanding the high price and great scarcity of this oil it must still enter into the composition of ung. aquæ rosæ when that preparation is ordered in prescriptions. We have prepared our readers for the changes which were to be made in ointment-bases. An article in the *C. & D.*, February 9, p. 43, gives eleven formulæ, most of which may be used in place of lard in Pharmacopœial ointments, and in subsequent issues subscribers supplied other formulæ. Chemists may use any of these bases for preparing official ointments for dispensing purposes, but in the case of retail sale, notice must be given to the purchaser that a modification has been made in the formula. The ointments should also be labelled "W.E.F." (War Emergency Formula). The case of camphorated oil is one of considerable difficulty. The use of mineral oil produces a miserable substitute for the product made with vegetable oil. A capital oil is made if cotton-seed oil is employed as in the United States Pharmacopœia. We must now refer to another factor which makes the situation somewhat uncertain. The Pharmacopœial authorities having stated that lard, suet, ground-nut oil, and sesame oil *may* be used in certain preparations, the Oils and Fats (Restriction) Order made on March 23 proposes to forbid after April 20 the use of these fats and oils (among others) for any purpose than for human food, except under licence. Whether it is intended to issue licences is not known at present—our information is that licences will not be issued—so that this Order, taken in conjunction with the "Gazette" notice, means a prohibition after April 20 of the use of these substances in medicines, whether official or unofficial. Formulæ for pomades, hair-oils, and lime creams containing edible fats and oils will also require modifying, but, owing to the scarcity of lard, castor oil, and olive oil, this has probably been done already. Cocoa butter is a useful hard fat for many purposes, and although the price has been fixed, its use for other purposes than food is not, so far as we can find, prohibited.

Economy in Gas and Electricity.

Elsewhere in this issue is given an abstract of the Lighting, Heating, and Power Order, 1918, which is made under the Defence of the Realm Regulations 2F and 2JJ, and came into force on April 2. The regulations

referred to give the Board of Trade powers to take steps to maintain and regulate the supply of coal-gas and electricity and other articles of commerce required for lighting, heating, and power purposes. The new Order consists of five parts with a schedule. Part I. is devoted to definitions, Part II. deals with the restriction on the consumption of gas and electricity, Part III. with additional restrictions applicable to hotels, restaurants, clubs, and places of entertainment, Part IV. with shop-front lighting, Part V. is general, whilst the schedule states the quantities per quarter of gas and electricity, with which the Order does not concern itself. It will be remembered that under Regulation 11A of the Defence of the Realm Act (which was made last December) Orders have been made for economy of shop-lighting in the Derby area and the Liverpool area, whilst an order with similar effect was made by the Admiralty for the Dublin area. The new Order covers that part of England south of a line drawn from the Wash to the Bristol Channel, and it differs from the Orders made under Regulation 11A in requiring users of gas and electricity above a stated minimum to reduce their consumption by one-sixth of the amount of gas or electricity used in the corresponding quarters of 1916 or 1917, whichever was the greater. The provision regarding the lighting of shop-fronts and the definition of "shop-front" are the same as in the local Orders referred to above. In London and many areas in the South traders have for some time been subjected to Lighting Orders which have practically made it impossible to illuminate shop-windows, but now even this limited illumination is forbidden. In the summer quarters this will not entail hardships in view of the fact that the Early Closing of Shops Order under Regulation 10B of the Defence of the Realm Act compels shops to close at eight o'clock each week-night, except Saturday, when the time fixed at 9 P.M. Lights used for advertisement purposes are forbidden under the Advertisement Lights Order, 1917, made under Regulation 11.

Council Candidates.

There are twelve candidates for the seven vacancies on the Council of the Pharmaceutical Society at the election in May. Of the seven retiring Councillors all but Mr. W. H. Gibson are candidates. The six new aspirants to positions on the Council include one lady—Miss Buchanan. We have asked all the candidates to furnish us with their views on pharmaceutical matters, with the object of placing before our readers the claims the candidates have for the votes of the electors. If space is available, we hope to print the replies week by week.

Mr. Leo Joseph.

Qualified in 1892, and since 1895 has carried on business at the Mackintosh Drug Stores, 84 Albany Road, Cardiff. Is a member of the Local Associations Executive, and has been President of the Cardiff Association.

In placing a short statement, in general terms, before the electors may I say at once that I hope I am not unduly optimistic, but certainly not pessimistic, as to the future of pharmacy and pharmacists, believing, as I do, that the enlightened policy of the Pharmaceutical Society for the past few years, the spade-work that it has engaged in, though not as yet as productive as desired, is still gradually having effect, and will in the course of a little time mature and blossom into a ripe fruitfulness. So many questions of considerable interest and paramount importance as affecting the members of our craft are in the immediate domain of pharmaceutical politics necessitating attention that it is obvious the Council henceforward for a goodly period of time will be strenuously occupied in dealing with these matters, which include education, organisation, tariff revision, Parliamentary representation, etc. These may be more or less hardy annuals, but so long as any defects are visible in the conditions appertaining, the need exists that these shall be eliminated, an improvement effected, and an endeavour rigorously be made to place such matters on a sound basis consistent with reasonable aims. The oft-recurring bugbear of a break-away upon the topic of the professional and trading aspects of pharmacy is disruptive as well as fallacious. There is no stumbling-block in argumentatively dealing with any proposition raised relative to this subject, which discussion should produce equitable and judicious treatment for both classes. Still closer cohesive organisation and Parliamentary representation are needed to skilfully steer the pharmaceutical "craft" into safe waters. It must not be overlooked that, at the moment, we may be in a state of transition. The project of a new State Department—a Ministry of Health—is likely to become *un fait accompli*, and though I trust and believe in its incidence pharmacists will not suffer, a constant, wide-awake look-out is essential, and the Pharmaceutical Council must not be taken unawares. It behoves all chemists to close up the ranks, to stand loyally by their Society, to exercise their votes in the election of the Councillors, thereby taking a real and live interest in their own affairs, and stimulating their representatives to address themselves actively to the work that lies before them.

Mr. A. Sidney Campkin.

Was in business before the passing of the Pharmacy Act, and carries on a pharmacy with his two sons at 11 Rose Crescent, Cambridge. Has been Mayor of Cambridge for two years, and has for forty years devoted much time to the public weal. He was co-opted a member of the Council in 1904, and was Vice-President in 1913.

I am not sure if it is necessary for me to explain my views at any great length, for from my many years of service, occasional remarks in Council debates, and speeches in various parts of the country at Federation and other meetings, my views are fairly well known on many important subjects. I trust the constituency will admit that throughout I have endeavoured to represent the retail chemists, and as my experience has been largely of a provincial character I have so far endeavoured to advocate their cause when opportunity has occurred, while in sympathy and with a full knowledge of many of the difficulties experienced by those in the more populous areas of town and city. . . . With reference to the future, if re-elected, I should continue to do my utmost for the individual pharmacist while working for the good of all, and maintain the efficiency of the staff of the Society to the utmost. The impending vacancy in the office of Secretary and Registrar needs the fullest consideration, and I hope and believe that a suitable successor to Mr. Woolcock will be secured. . . . Proposals for the revision and amendment of the Society's educational system will in due course be submitted, and a compulsory curriculum has been suggested. Before adoption this will require serious consideration unless the somewhat anomalous position of the qualified man (as at present) is appreciated and recognised to a greater extent by the State. . . . Personally, I still feel that the Pharmaceutical Council is capable of dealing with all important questions affecting the main body of pharmacists, and can be made thoroughly representative by the present system of election, and it is quite open to the members to determine its constitution from year to year, as every member has an equal voice in the election.

No Case of cholera, influenza, or scarlet fever is on record from among the employés of salt-works.

The Method of expressing in prescriptions the dosage of drugs in the metric system is hindered at present by lack of uniformity. It would be well if English and American teachers of and writers on materia medica and therapeutics could come to some agreement and bring the matter for settlement before the next International Medical Congress.—*Dr. Sydney Whitaker* (Liverpool).

Associations' Winter Session.

Ayr.—The Ayr Chemists' Assistants' and Apprentices' Association held a whist-drive and dance on March 20, at the Masonic Hall, in aid of the funds of the Ayr County Hospital. The whist-drive was arranged by the Secretary (Mr. J. O. Chisholm), and the prizes were presented by Mr. M. Meldrum, Ph.C. For the dance which followed, Mr. Hardwick acted as M.C. The evening was a great success, resulting in a net profit of 25*l.* 18*s.* 10*d.*—this being largely due to the support of the local employers and of several of the Glasgow wholesalers, who gave subscriptions and prizes.

Bournemouth.—The annual general meeting of the Bournemouth Pharmaceutical Association was held at Gervis Hall on March 22, Mr. T. Boyle (President) in the chair. Mr. Bingham was requested to convey to the Hon. Secretary, Mr. J. H. Scampton, the deep regret of the members at his illness, and their sympathy and good wishes for a speedy recovery. A letter was read from the Secretary of the Face Values Committee, which received the hearty support of the members, and the Secretary was instructed to fix a convenient date for Mr. H. Wolff to address them. The balance-sheet for 1917 was approved, and a donation of five guineas was voted to the Pharmaceutical Society's Orphan Fund. All the officers were re-elected. Messrs. Buchan, Greasley, and Hornby were elected delegates to the Bournemouth Chamber of Trade, and it was decided to forward a special donation of two guineas towards the Initial Expenses Fund. Mr. F. H. Tulley was elected a member.

Bradford.—The Bradford Pharmacists' Association has selected Mr. F. Birchall, of Wickham, Hampshire (formerly in business at Allerton, Bradford), to act as *locum-tenens* for members of the Association who are taking part in the scheme for providing such service at their shops while they are on holiday. Sufficient members have joined the scheme to provide full occupation for Mr. Birchall from the end of April to the end of September.

Edinburgh.—The Edinburgh District Chemists' Trade Association met at 36 York Place on March 25, Mr. James Dick (Chairman) presiding, when Mr. J. H. Tainsh read a paper on *Side-lines and How to Push them,* dealing mainly with chemists' specialities. In this he recommended the making and packing of one's own goods as affording the best guarantee of the quality of the articles and the satisfaction of the oustomer. He also advocated the use of window and counter displays, with "talking" cards, and the distribution of periodical circulars, giving descriptions of two successful window-shows employed by himself for a skin-cream and a catarrh-cure. The paper was discussed by Mr. Victor Wright, Mr. Nisbet, and Mr. Brown, and Mr. Tainsh was thanked for his contribution. It was decided to support the Face Values Committee's resolution which had been carried at the London and Birmingham meetings, and to contribute two guineas towards the Committee's expenses. It was further resolved to support the candidature of Messrs. W. W. Brown, J. B. Mitchell, and Peter Nesbit for the representation of the Edinburgh and Leith area on the North British Executive. The question of earlier closing was fully discussed, and the Secretary was instructed to write again to the Town Council and also to the Edinburgh Merchants' Association stating that the pharmacists would be prepared to co-operate in securing a general closing order for all shops in the city.

Grimsby.—At the annual meeting of the Grimsby Pharmaceutical Association, held at Silver Street on March 20, all the officers were re-elected, with the exception of the Vice-President, Mr. Humphrey, who resigned owing to business ties and is succeeded by Mr. H. Jowett. Mr. Dewing, having been placed on the list of Vice-Presidents of the Grimsby Chamber of Trade, retires as representative of the Association on that body, and Mr. Johnson was appointed to succeed him.

Liverpool.—The Liverpool Chemists' Association met at the Royal Institution on March 27, Mr. W. H. Clubb (Vice-President) in the chair. Four new members were elected. Mr. W. L. Currie (Glasgow) gave an address on *Some Current Topics,* reminding his hearers that when, nine years ago, he expounded to them a curriculum scheme, they "turned it down." He looked on Liverpool as one of the foremost places in England in regard to pharmacy. It was second only to Scotland, which was in an entirely different position and was "the home of pharmacy." Reorganisation of the Pharmaceutical Society was talked about. The organisation of the Society was complete, but the people who were trying to carry out the work of organisation were not perfect. There was talk of forming a Federation of Control, but who was to control such a Federation? District or county Federations could do better work than any national Federation could attempt. District conferences could collect a consensus of opinion, which ought to be sent to the Pharmaceutical Society to deal with. He had always been in favour of dividing the Qualifying examination, as it was too much for anyone to carry out at one sitting. The Preliminary should be passed before apprenticeship. Turning to territorial representation on the Pharmaceutical Council, he remarked that the present Council was territorially representative, but that the application of the principle might be extended by dividing Great Britain into twenty-one areas. That would prevent the London district disproportionately absorbing seats. At present London could elect too many men of one way of thinking and not loyal to the best traditions of the Council. He should like more publicity to be given to the proceedings of the Council. (Applause.) Knowing the history of the Council for forty-odd years, he said the Council had gone backward, and not forward, in the reporting of its proceedings. If the voting-lists were published, it would be of infinite good in the selection of candidates. In view of the coming election, he commended the candidature of Mr. Guthrie, Chairman of the Standing Committee for Scotland, "the hub of the pharmaceutical universe." As regards the Ministry of Health Bill, they must secure the recognition of pharmacists under any scheme. In the discussion which followed, the Chairman said some of the Lancashire Federation were emphatic in their opposition to London "running the Council." Mr. J. L. Hirst proposed a vote of thanks to Mr. Currie, and Mr. J. H. Robinson, in seconding, said they had been "fed up" for years with secrecy. He wished the "Pharmaceutical Journal" would abandon fulsome biographies and substitute manliness. Dr. Symes agreed with the proposed division of the Qualifying examination. Mr. L. M. Parry said that means should be found to give fuller publicity to the Council-meetings. In reply to an enthusiastic vote, Mr. Currie said Scotland had been federated in three divisions which communicated with a central body. He drew attention to the model monthly Insurance accounts, which he had passed round for perusal. He did not agree with the suggestion of an examination for dispensing assistants, as it meant an increase of the unqualified. Dispensing must be reserved for the fully qualified.

London (S.W.).—A meeting of the South-West London Chemists' Association was held at Stanley's Restaurant, Lavender Hill, on March 19, Mr. Goy (President) in the chair, when Mr. John Keall gave an address on *My Three Years on the Pharmaceutical Council.* He detailed the kind of work performed by the various Committees on which he has served, and gave an interesting account of the many duties that fall to the lot of a Councillor. He passed on to deal with some of the difficulties which the Council may have to cope with in the near future, and dwelt upon the position of pharmacists under probable new public health legislation. He assured his hearers that the Council is fully alive to the possibilities of the situation, and he was in favour of a strong and vigorous policy and a determined attitude, to ensure that pharmacists obtained their proper status. Speaking of trade matters, he considered that the Council might legitimately do more than it has done in this respect, and while there were certain right and proper limitations, he felt sure that there was a prospect of greater activity in this direction in future. Mr. A. R. Melhuish, who is also a candidate at the forthcoming Council election, gave a short address, paying particular attention to the educational side of the Society's work, in which he is keenly interested. He gave his views regarding the need for a curriculum and the division of the Qualifying examination, and stated that he was opposed to establishing any assistant's qualification as such, explaining the dangers that such a course might involve. He emphatically pronounced his determination to do all in his power, if elected to the Council, to resist the claims for registration under the Pharmacy Acts of persons with inadequate qualifications. Questions were asked by several members present and suitably answered by Messrs. Keall and Melhuish. A vote according hearty support to both candidates was proposed from the chair, and carried *nem. con.*

Oxford.—The twenty-first annual meeting of the Oxford and District Chemists' Association was held on March 20, Mr. H. H. Swift presiding. The annual report and balance-sheet showed a membership of twenty-seven and a balance in hand of 27*l.* 6*s.* 4*d.* The good wishes of the Association were sent to Mr. S. H. Clegg, the one member serving with the Forces. The following officers were elected for the ensuing year: *President,* Mr. John Dolbear; *Vice-Presidents,* Messrs. Swift and Loxley; *Hon. Secretary and Treasurer,* Mr. H. C. Goodall. It was resolved to send congratulations to Mr. Woolcock on his recent honour and his new appointment. The resolution of the Face Values

Committee was adopted, and it was agreed to contribute to the expenses of the Committee. The collecting-box was found to contain 2*l.* 10*s.*, and a similar amount was voted from the Association's funds, making a donation of 5*l.* to the Society's Benevolent Fund.

Sheffield.—The monthly meeting of the Sheffield Pharmaceutical and Chemical Society was held on March 22, Mr. A. H. Culverhouse presiding. A resolution was carried regretting the delay in the issue of the report on reconstruction, and the Secretary was instructed to impress on the Pharmaceutical Society the urgency of the matter. The President then introduced Mr. Hugo Wolff (London) as a prospective candidate both for the Pharmaceutical Council and for Parliament. Mr. Wolff, in the course of a breezy address on *Pharmaceutical Problems that Really Matter*, said that pharmacists have no real organisation. He resigned from the Local Associations Executive as he found himself helpless on that body, and none of the promised reforms had materialised. The co-operative societies are a real danger to pharmacy, as they represent labour and carry on 45 per cent. of the trade of the country. The Co-operative Wholesale Society in 1915 had a turnover of 176,000,000*l.*, including 18,000,000*l.* of their own preparations. No Government is likely to attack either co-operative societies or chain pharmacies. One of the most serious things for the trade is that such articles as soap, tablets, and chloroform are ring-ridden, the worst instance of all being chloroform, and chemists ought to organise and force the sale at reasonable prices or manufacture the articles for themselves. Mr. Woolcock's transfer to the War Office was not without danger, as he was out for buying at the lowest price and also for the best bargain being made with the Insurance Commissioners. Mr. Wolff is strongly of opinion that the Commissioners will drop the chemist altogether the moment they think it will pay them to open State dispensaries. The speaker then mentioned the "Pharmaceutical Journal," which, he said, showed a loss of 2,800*l.* a year. The character of the "Journal" killed advertisements, and it was not a free agent. Turning to the Progressive Pharmacy Club, Mr. Wolff declared that it is the one body which is attempting to grapple with pharmaceutical problems, such as Army service and the chemist's title. He denounced as hypocrisy the Council's wail against "The Script," as 25 per cent. of its capital, he said, is held by members of the Council. Mr. Neathercoat, he continued, makes apology for the youthful leaders, but Bloomsbury Square thinks that "wisdom only goes with whiskers." Mr. Wolff gave some examples of success in dealing with face-value problems, and concluded by saying that there are no outstanding men in pharmacy to take the place of Mr. Woolcock, Mr. E. White (who will not be long in pharmacy, as his interests are in the wholesale), and Mr. Glyn-Jones (now at the Ministry of Reconstruction, and doubtless "ear-marked" for a big job), so that it is absolutely essential that a good man should be found as Secretary. A lively discussion followed the address. In moving a vote of thanks to the speaker, Mr. J. T. Appleton pointed out that Insurance work had roused the chemists to attend meetings, and had kept the younger men out of the Army. Mr. J. G. Jackson seconded, and called upon the members to organise at once. The vote was unanimously carried, and Mr. Wolff responded and answered various questions asked by members.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Burnley.—At the last meeting of the Insurance Committee, it was reported that during 1917 105,666 prescriptions were dispensed, at a total cost of 2,651*l.*, the cost per insured person being 17.74*d.* In 1914 the prescriptions numbered 155,202, costing 5,320*l.*, and averaging 25.7*d.* per insured person. There are thirty chemists on the panel. The Clerk submitted proof of a formulary of mixtures, etc., known as the Lancashire Formulary, commonly prescribed by practitioners in the county, which has been adopted by the Panel Committee at the instigation of the Lancashire Prescription Bureau.

Hampshire.—A meeting of the Pharmaceutical Committee was held at the office of the Insurance Committee, Winchester, on March 13. Mr. S. G. Bartlett presided and reported on the work of the Committee during 1917, stating that the service for the year had been satisfactory. He also dealt with the institution of the Inquiries Section, the position with regard to sugar and glycerin, and the adoption of the "W.E.F." The number of prescriptions dispensed in 1917 was 157,657, and the amount paid to chemists 4,352*l.* 5*s.* 9*d.* It was unanimously resolved that the Committee should meet quarterly, on the third Wednesday in March, June, September, and December. The Secretary presented an estimate of the Committee's expenses for the year, which was approved. The question of travelling-expenses of the members was discussed, and it was resolved that third-class railway fares be paid to members attending the meetings, with a small subsistence allowance. The renewal of the contract with the Central Checking Bureau for the present year was approved, and the report on the September prescriptions was adopted.

Huddersfield.—The Insurance Committee last month approved a resolution submitted by the Medical Benefit Sub-Committee asking the Insurance Commissioners to take up the subject of dental provision for insured persons. It was generally agreed that adequate dental treatment was as essential as medical treatment, and that the medical benefits under the Act ought to include dental benefits.

London.—The Insurance Committee met at the County Hall, Spring Gardens, S.W., on April 4, when the Medical Benefit Sub-Committee reported the addition of three chemists and two branch establishments to the panel, while two chemists and four branch shops have withdrawn. The Finance Sub-Committee recommended that payment be made to chemists of 2,786*l.* 19*s.* 5*d.* for the medical year 1917 and of 6,579*l.* 5*s.* 1*d.* for 1918.

Oxford.—The prescriptions dispensed in the city area during 1917 numbered 35,115, at a total cost of 874*l.* The dispensing-fees aggregated 427*l.* and the ingredient-price 457*l.* The average total cost per prescription was 5.98*d.*, and the average per insured person 15.12*d.* In the county area the prescriptions totalled 35,778, costing 917*l.* (ingredients 476*l.*, dispensing-fees 441*l.*). The average cost per prescription was 6.16*d.*, and the average per insured person 17.91*d.*

Portsmouth.—At a meeting of the Insurance Committee on March 28, it was reported that a settlement had been effected with the chemists for 1917 as follows: Number of scripts for the year, 108,361; value (including temporary residents and Sanatorium Benefit), 2,928*l.* 15*s.* 7*d.*; paid to Pharmaceutical Committee, 68*l.* 6*s.* 5*d.*; balance paid to chemists, 2,860*l.* 9*s.* 2*d.* For December 1917 the scripts numbered 8,917, at a total cost of 290*l.* 11*s.* 4*d.* and an average cost per script of 7.82*d.* On the application of the Pharmaceutical Committee, it was agreed that the provisional allotment for 1918 be made upon the same basis as in 1917—*i.e.*, that a deduction of 1*s.* in the pound be made from the chemists' accounts and paid to the Pharmaceutical Committee until its expenditure for the year could be more nearly ascertained.

Sheffield.—A meeting of the Insurance Committee was held on April 3, when, on the recommendation of the Pharmaceutical Committee, it was decided that where bandages 1 in. in width are ordered the length supplied shall be 3 yds. w.o.w., instead of 4 yds. as decided in respect of bandages of other widths. The Commissioners have completed their calculations for the year 1916 in regard to the doctors' credits, which show an increase of 7 per cent., amounting to 3,439*l.* 4*s.* 6*d.*, which is ordered to be paid. It was decided to request the Government to introduce immediately a Bill for the establishment of a Ministry of Health, and to postpone and amend the Maternity and Child Welfare Bill, so as to secure adequate representation of Insurance Committees upon the Welfare Committees. Payments are to be made to chemists of 895*l.* 2*s.* 3*d.* for the balance of January and on account of the February prescriptions.

Southport.—The monthly meeting of the Insurance Committee was held on March 26, Mr. J. Gordon presiding. The Finance Sub-Committee recommended payment to chemists of 97*l.* 18*s.* 5*d.* for January and February accounts, the amount to be debited to the Drug Fund. From the same fund the sum of 100*l.* was ordered to be paid to the Southport Corporation under the tuberculosis scheme. The sum of 8*l.* 6*s.* 3*d.* is also to be paid to sundry doctors from the Drug Fund in payment for emergency drugs and dressings for 1917.

Tynemouth.—At the last meeting of the Insurance Committee, the Clerk's report showed that the number of prescriptions dispensed in 1917 was 32,747, the ingredient-price averaging 3.78*d.* and the dispensing-fee 2.83*d.*; the average cost per insured person being 14.67*d.*

SCOTLAND.

Stirling.—A bonus of 20 per cent. is to be paid for 1916 to Stirlingshire panel chemists and dispensing doctors. The Committee have also agreed to pay the Pharmaceutical Committee's expenses, amounting to 13*l.* 2*s.* 11*d.*

Trade Report.

42 Cannon Street, E.C. 4, April 4, 3 p.m.

This having been a holiday week on the markets, there has been little animation in drugs and chemicals, so that prices have not been tested. Several of the synthetic chemicals, which have been getting scarce on spot, continue to appreciate in value; these include acetanilide, methyl salicylate, lithia carbonate, chloral hydrate, hydroquinone, and vanillin. Other changes include an advance of 5*s.* and 10*s.* per cwt. in borax and boric acid respectively. Soda phosphate is also dearer. Among drugs, Matto Grosso ipecacuanha is firmer; nux vomica, ergot, and turmeric are dearer. Among articles which have declined are guaiacol carbonate, atropine, homatropine, paraldehyde, and saccharin. Formaldehyde is very scarce.

Higher	Firmer	Easier	Lower
Amber oil	Acetanilide	Antimony (Ch. crude)	Atropine
Borax and boric acid	Anise oil, star	Copper sulphate (export)	Saccharin
Canary-seed	Cream of tartar	Eucalyptus oil	
Capsicums	Hydroquinone	Guaiacol carbonate	
Cloves	Ipecacuanha (Rio)	Homatropine	
Ergot	Lithia carbonate	Paraldehyde	
Ginger (E.I.)	Methyl salicylate		
Mace (E.I.)	Vanillin		
Menthol			
Nux vomica			
Soda phosphate			
Turmeric			

The Drug Auctions will be held next Thursday, April 11.

Cablegrams.

New York, March 28.—Business in drugs is fair. Jalap is dearer at 60c. per lb.; balsam tolu has advanced to $1.15 and short buchu-leaves to $1.30. Citric acid is dearer at 90c. in kegs, and American refined camphor has advanced to $1.06½ in bulk. Salicylates are lower, salicylic acid offering at 90c. and sodium salicylate at 80c. per lb.

New York, April 4.—Business is fair. Menthol is firmer at $3.30. Jalap is higher at 63c. Bismuth salts have been advanced: subnitrate is $3.20, subgallate $3.50, carbonate $3.50, and iodide $5.35 per lb.

Acetanilide.—Owing to scarcity in the United States, no export permits are being granted for the present, so that further supplies from that source are doubtful. Holders ask about 6*s.* on the spot.

Acetic Acid appears to have no market value, and the price depends upon what holders like to ask. It is to be regretted that the legitimate trade requirements, which are not large, cannot be spared from the ample supplies coming forward. The Government, however, refer buyers to two or three firms, who ask exorbitant prices.

Aloes.—The exports from the Union of South Africa during December 1917 amounted to 28,672 lb. (365*l.*), against 61,334 lb. (682*l.*) during December 1916. During the twelve months ending December 1917 the exports were 752,635 lb. (6,935*l.*), against 986,939 lb. (9,305*l.*) during 1916.

Amber Oil has advanced 7*d.* per lb. to 1*s.* 8*d.* net for commercial and to 2*s.* per lb. net for rectified. The advance is due to the greatly increased cost of resin.

Anise Oil, Star.—Sales have been made at 4*s.* 4½*d.* for "Red Ship" brand on the spot, and 4*s.* 5*d.* is asked.

Antimony.—Chinese crude is the turn easier, there being no difficulty in placing orders for spot lots at 43*l.*, while sellers who insisted recently on 46*l.* would gladly accept a pound or two less per ton. Forward shipment is not wanted, and in view of the uncertainty regarding the granting of licences no quotation is obtainable. There is little or no crude afloat just now. Regulus is quite neglected and again easier, with sellers of spot down to about 74*l.*

Arsenic.—There is rather keen competition among sellers, while the trade demand is generally slow, and the market is unsettled. Evidently the fact that the supplies coming are in excess of the demand, coupled with the high prices, makes buyers shy. The knowledge, too, that shipments in certain directions, including Canada, are delayed through the scarcity of tonnage is an additional restraining factor. Prices continue irregular, but the quotation of from 128*l.* to 130*l.* c.i.f. for April-May shipment is representative of the market for 99-per-cent. powder. People quoting above this range of prices find difficulty in doing business.

Aspirin has, if anything, a firmer tendency, although prices are unchanged.

Atropine.—Makers' list prices show a reduction of 5*s.* per oz. to 135*s.* for the pure crystals and 120*s.* per oz. net for sulphate.

Barbitone.—Some important orders have been placed with the makers for forward delivery, showing that large buyers have confidence in the article, which is offered on the spot at 115*s.* per lb.

Benzaldehyde, free from chlorine, is offered at 18*s.* 6*d.* per lb. net on the spot.

Benzoates.—Makers' stocks are getting low, owing to the delay on their part in effecting delivery against contract, but the spot prices have not yet been raised.

Borax and Boric Acid have been advanced by 5*l.* and 10*l.* per ton respectively. This makes the price of crystals 42*l.* and powdered 43*l.* per ton in bags for commercial quality; B.P. is 44*l.* and 45*l.* respectively. *Boric acid* is now 72*l.* for crystals and 74*l.* for powdered commercial, while B.P. quality is 77*l.* and 81*l.* respectively. Borax-glass, lump, is 97*l.* and powdered 98*l.*; preservative xxx brand, 95*l.* Packages at per ton (subject to change without notice): bags about 2 cwt. free, 1 cwt., 10*s.*; casks, 3*l.*; kegs, 1 cwt., 4*l.*; cases at cost. The advance is due to continued increase in costs, especially in the case of freight on crude materials. With regard to packages, the makers ask for the option of supplying their customers' requirements in packages available at the time.

Bromides.—Stocks are getting down to vanishing point, and potash is now worth 11*s.* per lb. in second-hands, ammon. is 9*s.* 6*d.* to 10*s.*, and sodium, which is plentiful, is 5*s.* per lb. No consignments are advised as being on the way from the U.S.A. Sales of Japanese potash have been made at from 9*s.* to 9*s.* 6*d.* per lb. c.i.f. for parcels shipped or about to be shipped, and further buyers.

Buchu.—The exports from the Union of South Africa during December 1917 were *nil*, against 7,023 lb. (1,117*l.*) in December 1916. During the twelve months ending December 1917 the exports were 124,110 lb. (20,154*l.*), against 130,794 lb. (21,685*l.*) in 1916.

Camphor (Refined) remains firm, with sales of Japanese 2½-lb. slabs for March-April shipment at 4*s.* 3*d.* per lb. c.i.f. The English refiners' prices are quite nominal, and they are able to obtain a premium on the official rates, with orders accepted for very limited quantities.

Capsicums.—At auction 128 bundles ordinary red and yellow stalky Bombay sold at 46*s.* 6*d.* and bold reddish at 60*s.*, being dearer.

Castor Oil.—No supplies of pharmaceutical or first pressings are available, but "neutralised seconds" are being allocated so far as available supplies permit, and this quality may be used for pharmaceutical purposes. Applications for such supplies should be made in the first instance to the United Kingdom Oil and Oil-seed Brokers' Association, Castor Oil Committee, 24 St. Mary Axe, London, E.C. 3, when the Committee will investigate such applications.

Chloral Hydrate.—The makers in the U.S.A. are reported to have sold out over the next three months, and the Swiss makers have nothing to offer at present. Prices are from 10*s.* 6*d.* to 11*s.* per lb. in bond, to arrive.

Citric Acid is unchanged at 3*s.* 2*d.* per lb. on spot.

Cocaine continues very scarce, and makers are not expected to have anything for this month's delivery owing to the non-arrival of raw material, but fortunately legitimate home trade requirements have been fairly well covered.

Cochineal is steady at from 2*s.* 9*d.* to 2*s.* 11*d.* per lb., the latter for black to silver-grey.

Colocynth.—Fair to good Syrian apple is obtainable at from 1*s.* to 1*s.* 3*d.*, and pulped at from 1*s.* 9*d.* to 1*s.* 10*d.*

Copper Sulphate.—The demand over the holidays has been almost at a standstill, while the working-off of orders for Ireland is still hindered by want of transport facilities. The home outlet, however, will probably develop again more freely against future farmers' requirements. Export business is very idle, and the tendency rather easier if anything at about 67*l.* f.o.b. Liverpool, subject to a licence.

Cream of Tartar.—Spot sales have been made at 415*s.* per cwt.

Ergot is dearer, with a fair demand. Sales of Russian have been made at 3*s.* 4*d.* per lb., with 3*s.* 6*d.* asked.

Eucalyptus Oil.—Further fair sized quantities have arrived, and as spot stocks are good the market shows an easier tendency.

Farina is quiet, with Japanese No. 1 on spot offering at 92*s.* per cwt., and sellers of April-June shipment at 89*s.* c.i.f.

Formaldehyde is extremely scarce on the spot, and sellers are asking very high prices. Although the drug-trade requirements are small the Government are not granting licences for importation, and legitimate trading is stopped.

Ginger.—At auction 1,164 bags offered and sold at higher rates, comprising fair to good rough brown Calicut at 86s. to 88s., and washed rough Cochin at from 90s. to 91s.

Guaiacol Carbonate. — The spot stocks have been augmented by supplies, which were destined for Russia but which could not be shipped. These are now available for this market, and the tone is easier at 110s. net.

Gum Acacia is firm, with sellers of fair Kordofan sorts at from 87s. 6d. to 90s. on the spot.

Homatropine shows a slight reduction, makers offering pure crystals at 15s. per 15 grains and homatropine hydrobromide at 12s. per 15 gr.

Honey is selling at still higher rates, with sales of Cuban at from 195s. to 200s., the latter for pale set.

Hydroquinone.—Owing to competition between American makers prices on that side are cheaper, but importations from that source are very scanty, with the result that 17s. 6d. net is being asked on the spot.

Ipecacuanha.—Several sales of good stout Matto Grosso have been made at 11s. 3d. per lb., at which price there are further buyers. Consignments are difficult to get forward, and present prices are comparatively low for this important drug.

Kamala is very scarce, practically the only holder asking 2s 9d. per lb.

Lithia Carbonate is rather dearer again, with business done at 9s. 6d. net on the spot.

Mace.—At auction 41 cases Bombay sold at an advance of 1d. to 2d., ordinary pale and reddish to fair realising from 3s. 2d. to 3s. 6d.

Menthol.—Holders are still "bullish" in their ideas and predict higher values, as present prices are regarded as low when compared with previous years. Spot sales of Kobayashi-Suzuki have been made at from 14s. 3d. to 14s. 6d. per lb., and on c.i.f. terms (March-May shipment) 14s. 1½d. has been paid.

Methyl Salicylate.—Spot parcels are now very difficult to find, and buyers would have to pay about 10s. 6d.

Methyl Sulphonal is obtainable at 75s. per lb. net on the spot.

Milk-sugar.—The position is becoming serious, as the available supplies are totally inadequate to meet the demand, and, unless permits are granted by the Government to bring forward supplies, the market will be absolutely bare before another month.

Mint Oil is steady, with sales of Kobayashi-Suzuki for March-May shipment at 3s. 9d. per lb. c.i.f.; spot price is 4s.

Morphine.—The export market is at a standstill, as no permits are being granted. For home trade makers still sell very limited lots at the old price of 13s. 6d. per oz. net for hydrochloride.

Nux Vomica is dearer, and a fair business has been done on the spot, the market closing with buyers of good Bombay up to 60s. per cwt.

Olive Oil.—The scarcity in this country continues very pronounced, and the market is quite nominal under control. Prices at Barcelona are strong and advancing, this being partly attributed to the imminence of the arrangement of a commercial treaty with the United States. According to estimates of competent authorities the Spanish crop should yield 329 million kilos. of table oil and 50 million kilos. of olive residues suitable for soap-making. As the domestic consumption is estimated at 190 million kilos., this should leave an export surplus of 132 million kilos. of table oil, without reckoning the additional oil product. The price of superior Andalusian new oil ranges from 158 pesetas to 159 pesetas per 100 kilos.; ordinary ditto, 156.52 pesetas to 157.61 pesetas; Tortosa fine, 182.91 pesetas to 196.96 pesetas; Aragon, 178.24 pesetas to 191.30 pesetas; Urgel, 178.26 pesetas to 186.96 pesetas; Campo de Rens, 182.91 pesetas to 191.30 pesetas per 100 kilos. in buyers' barrels. An Italian advice states that the crop in Italy has been deficient. Exports are forbidden, but in spite of this prices keep very steady owing to good demand for home consumption.

Opium is quiet but steady, Persian 10-per-cent. offering at from 60s. to 62s. 6d. per lb. on the spot.

Paraldehyde.—Several parcels having just arrived there has been unusually keen competition for orders, with the result that prices are easier.

Peppermint Oil.—American tin oil continues very scarce on the spot, and there is little coming forward; for parcels actually shipped 18s. to 18s. 6d. net is quoted.

Phenacetin.—The importation of cheap parcels from the United States has temporarily affected the position, and small lots can be obtained at 28s. per lb. net.

Phenazone.—Some rather large parcels have been withdrawn from this market for export, which ought to effect an improvement in the price, which is 50s. per lb. net.

Pimento is steady, with spot sellers at 5½d. per lb. At auction 10 bags offered and sold at 5¼d.

Potash Sulphoguaiacolate has sellers at 97s. 6d. per lb. net.

Quinine is quiescent, with practically no demand from consumers, and the fact that supplies for export have been cut off releases sufficient for home trade requirements. These conditions cannot, however, last much longer.

Saccharin.—Buyers who have got stocks are, on spot, beginning to show a certain amount of nervousness in view of the anticipated pronouncement by the Government, which may be made at any moment. Prices, however, show great divergence, with spot rates at from 330s. to 380s. for 550 pure, but, at the close, sales have been made at below 300s., and the market is now nominal at 250s. to 300s. Fair-sized quantities have arrived from New York this week, and this has helped to keep the tablet-makers going. A New York advice, dated March 14, states that licences for export have again been procurable, and stocks that had recently accumulated have been pretty well used up, but are still sufficient to take care of the orders that are available.

Salicylates.—*Salicylic acid* awaits the seasonable demand, and meanwhile the market is quiescent. It is anticipated, however, that prices have now touched their lowest, and present rates cannot but be regarded as favourable. Practically no imports are taking place from U.S.A. *Salicylate of soda* has been in better demand, and from 7s. to 7s. 3d. has been freely paid for guaranteed B.P. powder.

Salol is unchanged at 10s. per lb.

Soda Diethylbarb. is offered at 125s. per lb. on the spot.

Soda Hyposulphite.—Ordinary crystals are obtainable in limited quantities at about 60s. in casks; pea crystals are practically unobtainable.

Soda Phosphate.—Makers have done a large business, and the price has advanced to 59l. per ton for commercial crystals.

Tartaric Acid is very firm at from 3s. 5½d. to 3s. 6d. per lb. on the spot.

Thymol.—Sales have been made at 47s. 6d. per lb. on the spot.

Tragacanth.—Very fair arrivals have taken place, and there is a good selection of all grades on sale. Although ample stocks exist for the home trade, export permits are for some unknown reason withheld.

Turmeric is much dearer, the sales including Madras finger at 75s. to 77s. on the spot; a limited quantity of Cochin split bulbs are offered at 50s. and finger at 60s. per cwt.

Turpentine is steady, with spot sales of American to licence holders at 124s. 3d.

Vanillin is firmer at 67s. 6d. per lb. for spot supplies.

Wax, Vegetable.—The spot price of Japanese is 115s. per cwt., and for January-March shipment 112s. 6d. c.i.f. is quoted. The exports from Japan for the past three years were as follows:

	1915	1916	1917
Kin	4,932,309	6,308,295	4,976,093
Yen	1,163,718	1,735,600	1,565,666

Zinc Oxide.—It is not possible to give any reliable prices, and while quality varies widely the arrangement of business is largely a matter of negotiation and analysis. As stated in our previous issue, very high figures are obtainable for high-grade American material obtained from nearly pure spelter, but low-grade material is also available in limited quantities, such as Dutch and Japanese. Offers of small lots of the latter afloat are now being made at about 78l. c.i.f. English oxide remains very scarce and chiefly nominal at 100l. and upwards. There is a constant demand for all zinc products, the supply of which is restricted. A few small parcels of Australian zinc-dust are now expected, but these are already sold, so that the market is pretty clear, although a little Japanese is to be had. Quotations range from about 85l. to 108l. delivered f.o.r. home ports, according to quality.

Quicksilver.

To all outward appearances there has been no material change in the market position, although it remains obscure. The available supplies are subject to strict control, which is quite in keeping with the present abnormal conditions. While there are no reliable particulars obtainable of the prices paid in one direction or another according to the nature of the orders which are being filled, the position has possibly been rendered somewhat easier by the good arrivals early this year, as indicated by the official returns for January. Reliable information, however, is not obtainable as to the reserve stocks in existence, not even of the imports, in the opinion of traders. As far as can be gathered arrangements regarding consignments from Spain rest chiefly in the hands of the authorities, that source

being the only one on which any reliance can be placed, although some parcels may have been obtained from Italy in recent months. America has produced considerably more, but she probably requires the whole of her output. The fact, nevertheless, deserves notice that the tone there has been easier lately since the relaxation of the railway congestion, whereby the movement of supplies from the Pacific Coast districts has become freer. More liberal offers have been reported in New York, and this has tended to check the demand for small spot lots at high premiums. The prospect, too, of much larger arrivals in New York helped to ease quotations to about $125 per flask, while the price at San Francisco was recently lowered to $117.50. Prices in London range from 22*l.* up to about 24*l.* per bottle, while the figure given in some quarters of 20*l.* may be regarded as purely fictitious. Prospects point to the continuation of stringent conditions for an indefinite period, possibilities in the way of increased production being outweighed by freight soarcity.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London
(March 16 to 27).

Antimony, ref., 65 tons
Birdlime, 50*l.*
Bronze powder, 36 cs.
Casein, 9,900*l.*
Chemical products, unrated, 15 kgs. 2 pkgs. 1 cs.
Argol, 101 cks. 273 bgs. 471 pkgs.
Arsenic, 2,080 cwt.
Calcium cit., 46 cks.
Cream of tartar, 50 cks.
Hydroquinone, 22 kgs.
Milk sugar, 200 cs. 14 brls.
Quinine, 11,850 oz.
Saltpetre, 8,926 cwt.
Soda hypophosph., 6 tons
Soda, unrated, 10 cwt.
Tartar, crude, 113 cks.
Tartaric acid, 50 cks. 376 brls.
Dental goods, 2,853*l.*
Drugs, unrated, 67*l.* 241 pkgs. 125 cs.; herbs, dried, 15 bls.
Belladonna stems and seed, 4 bls.
Calamus-root, 19 cks.
Camphor, 50 cs.
Chamomiles, 10 bls.
Coca-leaves, 38 bgs.
Copaiba, 5 brls.
Ergot, 20 bgs.
Galangal, 10 bls.
Galls, 747*l.*
Jalap, 33 bgs.
Juniper-berr., 87 bgs.
Kola, 1 bg.
Nux vomica, 400 bgs.
Orris, 205 pkgs. 451 bgs.
Senna, 24 bls.
Turmeric, 136 bls.
Valerian, 8 bgs.
Dyestuffs, tanning materials, etc., unrated, 10 brls. 70 pkgs.; extracts, 1,484 bgs.; dyewood ext., 170 pkgs.; gambier, 473 cs.: indigo, 45 pkgs. 39 chts.; myrabolans, 47,327 pockets 2,768 bgs. 572 bls.; myrabolan ext., 1,000 bgs.; tanners' bark, 1,801 tons
Emulsion, 1,740 bxs.
Gelatin, 1,210*l.*
Gums (cwt.): acacia, 260; tragacanth, 789
Nuts & kernels (cwt.): cashew, 338; copra, 21,348; ground-nuts, 34,120; palm-kern., 14,920
Oils, essential, 256 cs. 9 pt.-cs. 22 drms. 18 pkgs. 1 ck.; camphor, 450*l.*; eucalyptus, 60 pkgs. 100 cs.; *synthetic oils*, 16 cs.
Oils, fixed: fish, 21 cks.; ground-nut, 1,600 cs.; sperm, 78 cks. 500 cs.; wood, 250*l.*
Ointment, 159*l.*
Perfumery, unrated (mostly raw materials), 4,835*l.*; musk, synthetic, 350*l.*; toilet-powder, 1,034*l.*
Plumbago, 24,672 bgs. 289 cks.
Rennet ext., 153*l.*
Resin, 350 brls.
Seeds (bags): castor, 11,116; cotton, 8,400; dill, 250; lin, 38,917
Soap stock, 133*l.*; toilet, 1,673*l.*
Spermaceti, 31 brls.
Starches (cwt.): farina, 4,005; potato, 73,349
Stearine, 744 bgs.
Talc, 1,376*l.*
Tallow, 16,080 cwt.
Wax, paraffin, 13,264 cwt.; scale, 2,026 cwt.
Waxes, not described, 50 cs. 286 bgs. 28 pkgs.

To Liverpool
(March 18 to 28).

Bronze powder, 15 cs.
Chemical products, unrated, 17 cs. 5 bxs. 2 brls. 30 pkgs.
Acetanilide, 11 brls.
Antikamnia, 35 crts.
Argol, 400 bgs. 697 cks.
Carmine, 1 brl.
Cream of tartar, 153 cks. 32 kgs. 313 brls.
Hexamine, 27 kgs. 2 cs.
Hydroquinone, 22 cs.
Iodine, 216 kgs.
Nickel oxide, 139 brls.
Oxalic acid, 168 cks.
Paraformaldehyde, 10 cs.
Paraldehyde, 11 cs. 58 pkgs.
Phenacetin, 10 cs.
Potash carb., 6 brls.
Potash chlorate, 200 brls.
Soda nitrate, 691 bgs.
Soda salicylate, 33 kgs.
Tartaric acid, 200 kgs. 4 cs. 24 cs.
Dental goods, 691*l.*
Drugs, etc., unrated, 146 bgs. 380 cs. 69 brls. 38 bls. 5 pkgs. 11 bxs. 7 sks.; med. herbs, 32 bls. 73 pkgs.; mint, rubbed, 7 sks.
Balsams, 10 cs.
Calabar beans, 27 bgs.
Cinchona, 576 bls.
Kola, 134 bgs.
Liquorice-root, 35 bls.
Marshmallow-leaves, 4 bls.
Sarsaparilla, 23 bls.
Dyestuffs, tanning materials, etc., 1 brl.; chestnut ext., 1,949 cks.; cutch, 450 bxs.; dyewood ext. (bark), 25 brls.; fustic, 26 tons 5 cwt.; fustic ext., 20 brls.; gambier, 130 cs.; logwood ext., dry, 789 cks.; hematine cryst., 50 brls.; indigo, 57 serons; myrabolans, 2,801 pockets 500 bgs.; Natal bark, 840 bgs.; quebracho ext., 4,400 bgs.; quercitron-bark ext., 200 bxs.; sumach, ground, 200 bgs.; tanning ext., 25,900 bgs.; wattle-bark, 4,745 bgs.
Gums (bags): acacia, 797; kauri, 261 sks. 100 bgs.
Iron oxide, 200 brls.
Lithopone, 700 cks.
Loofahs, 50 bls.
Mineral white, 136*l.*
Nuts and kernels: copra, 716*l.*; corozo, 600 bgs.; ground, 15,786 bgs.; palm-kernels, 112,845 bgs. and 1,408 tons 15 cwt.; pistachio, 5 cs.
Oils, essential, 69 cs. 3 cks. 53 drms.; eucalyptus, 110 cs.
Oils, fixed: cotton, 230 brls.; fish, 1,669 brls.; palm, 4,488 cks. 93 pns. 97 brls.; whale, 800 brls.; white oils, 150 cks.
Plumbago, 90 cks. 688 brls. 218 sks.
Resin, 690 brls. 506 cks.
Seeds (bags): beni, 367; canary, 1,569; cotton, 2,003 bgs. 1,824 tons: cumin, 9; fennel, 15 bls.; flax, 1,948; sesame, 8; teazle, 23
Soapstone, 1,815 bgs.
Starches, 1,745 bgs.; 3,000 cs.: dextrin, 4,385 bgs.; farina, 430 bgs.
Stearin, 239 cks.
Talc, 9,526 bgs.
Wax, paraffin, 112 brls. 4,768 bgs. 535 cwt.
Wax, vegetable, 98 cs.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Release of Tinplate.

Sir,—In order to prevent overlapping the members of the Association of Manufacturing Chemists, Ltd., are now co-operating with the newly formed Committee appointed by the London Chamber of Commerce, and request that those firms who are negotiating with the Association on the matter should immediately write to the Secretary, Chemists' and Druggists' Trade Committee for Tinplate Supplies, 1 and 2 Oxford Court, Cannon Street, E.C. 4, with particulars of their requirements. By so doing it is hoped a supply of tinplate may be granted.—Yours truly,

Parkin S. Booth,
Accountant to the Association of Manufacturing Chemists, Ltd.

Price of Saccharin Tablets.

Sir,—I am sure all pharmacists regret that Boot's Drug Co., Ltd., have precipitated the drop in prices of saccharin tablets so prematurely. The explanation given in Sir Jesse Boot's letter in the *C. & D.*, March 30, does not in my opinion justify the course they have taken. Certainly rumours have been existent for some time that saccharin would be State controlled, but no official declaration has yet been issued, and it is news, I am sure, that the wishes of the Sugar Supply Commissioners carry any official authority. Sir Jesse Boot says that tablet-makers up and down the country were officially informed that the price of saccharin would be reduced, and that the tablets would then be sold at the controlled price of 1*s.* 3*d.* per 100; but I would point out that "would" is not "is," a distinction with a very great difference, and sufficient evidence to justify my assertion that Boots have precipitated prices prematurely, and, though of course not intentionally, have nevertheless created a business in saccharin tablets greatly to the disadvantage of pharmacists. I paid 16*l.* per lb. for 550 saccharin on Tuesday last, and I have not heard that tablet-makers up and down the country are selling at less than 14*s.* or 15*s.* per 1,000—simply because State control is at present non-existent.—Yours faithfully,

York. George Coverdale.

The Irish Examination Syllabus.

Sir,—Your interesting report of the proceedings of the last Council-meeting of the Pharmaceutical Society of Ireland leaves room for some criticism and suggestion. I say at the outset that I am at one with Dr. Barnes in his desire to extend the scope of the examination in chemistry, but he does not go far enough. I offer a few suggestions here, as I see the matter is referred to the School Committee. Why not go in for a compulsory curriculum? Now is the time for reconstruction. Dr. Barnes's extension is only patching. I think the Society at Bloomsbury Square are moving in the right direction in going in for a curriculum of study which will be compulsory, although they have in their present prospectus five pages, as against one page in ours, devoted to the matter. A curriculum would be fairer to our candidates and more effective in equipping them for their craft. I have always thought we should have three examinations—(*a*) Preliminary (test of general education); (*b*) Intermediate (elementary science and dispensing); (*c*) Licence (Ph. Chemist). Seeing that since 1913 no science is required for the Preliminary—with which I agree—to prevent the cramming of chemistry, which has to be done, I suggest a compulsory Intermediate examination in elementary science—*i.e.*, chemistry, physics, and botany. I believe the assistants in the South of Ireland are fairly well organised, and suggest to them, although a principal myself for now twenty years, that they meet and discuss this question of a compulsory Intermediate pharmaceutical examination; it would really be an assistants' examination, and give assistants a *locus standi* in the matter of salary. Anyhow, it should help them, and it would give them a better training by preventing the abuse of cramming, which is done in preparing all their chemistry for the Licence. I think the present optional Assistants' examination should be abolished; it is on wrong lines, having no chemistry in its programme, and as a knowledge of compounding involves some of chemistry, why it was

omitted is a mystery to me. The fees for the Assistants' and Licence examinations are both too low. I think Dr. Barnes might also have suggested the deletion of that antiquated note, "The Council recommends Corbyn and Stewart's 'Physics and Chemistry.'" I wonder how many students use this book? The Educational Number of the *C. & D.* and other journals are very interesting as they appear every August, but I think I never saw the above book recommended. Further, I see the Council recommended the Professor of Chemistry in their Dublin School to collaborate with them in the suggested alterations. I think they ought to give our friends in the North—Mr. Harper, M.P.S.I., F.C.S., and Mr. Templeton, F.I.C.—also a look in. Both are teachers of experience.—Yours sincerely,

Belfast. Samuel Hogg.

Cream-of-Tartar Standard.

Sir,—We read with great interest the paragraph respecting cream of tartar appearing under the heading "Irish News" in The Chemist and Druggist, March 23, p. 36. It is not stated what authority is considering the modification in the lead standard, or who is urging such a modification, but it appears to us that the suggestion as to such a reduction of standard can only emanate from interested parties with inferior grades of cream of tartar for sale. As importers of this article we have always maintained the high standard of purity as at present laid down by the British Pharmacopœia, and even in spite of war conditions we have no difficulty in obtaining supplies of the high-grade article. The real difficulty is to get supplies to this country, and this, of course, applies equally to low grades. Under these circumstances such goods as can be imported should be of standard purity, and we consider it a mischievous suggestion that space should be occupied in importing inferior goods when same could be equally occupied by the high-class article. We are taking up this matter with the Local Government Board and the B.P. authorities, as we consider it of the utmost importance from every point of view that the present standard for cream of tartar should be maintained.

Yours truly,

London. Kirkpatrick, Barr & Paton.

Pharmacy in the Army.

Sir,—The article in the *C. & D.*, March 30, p. 42, has been received in Scotland with enthusiasm. From various reliable sources comes the opinion that the *C. & D.* has struck the correct keynote. Such a lucid and thorough statement deserves the widest publicity, and has given a decided lead in the matter, and Scottish chemists, together with their English *confrères*, will, like Oliver Twist, "look for more." The organisation of a Pharmaceutical Corps would save time, money, talent, and, greatest of all, would save untold numbers of precious lives. Such a service could provide not only for the necessities of the field, but for all home stations, hospitals, and soldiers' billets.

Yours truly,

Kilty. (29/3.)

Herapathite.

Sir,—Hogg states in the "Microscope" that herapathite was accidentally discovered by Mr. Phelps, a pupil of Dr. Herapath. It is known in America as Herapath's salt, and has been used in hæmoptysis, tuberculosis, scrofula, etc., in doses of ½ to 3 gr. three or four times a day. Dr. Herapath claimed to demonstrate the presence of quinine in urine, etc., "even in quantities not exceeding the one-millionth part of a grain." His test-fluid was as follows:

Pure acetic acid	ʒiij.
Rectified spirits of wine	ʒj.
Diluted sulphuric acid	♏vj.

By using 1 drop of this on a glass slide, with the merest traces of quinine, and adding, after solution, an extremely minute drop of an alcoholic solution of iodine, yellow or cinnamon coloured iodo-quinine first forms, and the alcohol separates in little drops, which by a sort of repulsive movement drive the fluid away. After a time the acid liquid again flows over the spot, and the polarising crystals of quinine iodosulphate are slowly produced in beautiful rosettes.

Yours truly,

Southall, W. John Hickman.

Apothecaries' Assistants.

Sir,—The letter of "Omega" in the *C. & D.* (March 30, p. 51) is very opportune, as the Pharmaceutical Council is considering the questions of a curriculum for the Minor and assistance for fighting undergraduates, and might also at the same time consider the question of by-laws under the Poisons and Pharmacy Act, 1908, for the registration of apothecaries' assistants. Surely men born in or before 1867 who have been continuously employed as dispensers and assistants for thirty or forty years are fit and proper persons to be registered under this Act. In this time of stress what is the Association of Certificated Dispensers doing?

Yours faithfully,

Alpha. (41/57.)

Sir,—Although I hold the Assistant's diploma of the Society of Apothecaries, I did not in my youth pass the severe ordeal of the old Preliminary; so I do not agree with "Omega," who, notwithstanding his *nom de guerre*, evidently believes in "everybody for himself, and the devil take the hindmost." I was born before 1867, yet had I passed a Preliminary I would now go in for the Qualifying examination of the Pharmaceutical Society, because any progress which has been made in pharmacy, and whatever improvements have been made in the condition of pharmacists and dispensers in institutions, have been chiefly due to that Society. But as the subjects of the examination, which are chiefly got up for examination purposes, require time to cram, and the need is pressing, I would suggest nomination. Practical Hall men of fifty years and upwards should find no difficulty in securing testimonials of fitness, skill, and ability from, say, three pharmaceutical chemists and three medical men, whose nomination should be accepted. This would comply with the requirements of Section 4 (*b*) of the Poisons and Pharmacy Act, 1908, which requires by-laws to be made. Let the Council get on with these by-laws.

Dispenser. (41/2.)

Panel Doctors' Extravagance

Sir,—The working of the National Insurance Act in so far as it concerns economy in prescribing by medical practitioners has, from the very beginning, been a lamentable failure. In the days of plenty we could afford to be a little extravagant, but in these days of earnest appeals for economy in all directions the waste of drugs and appliances is little short of criminal. At the present moment some things are almost unobtainable, and others soon will be, or are, at famine prices. The object of this note is to draw the attention of those whom it may concern to the unnecessary liberality in the prescribing of lints, wools, bandages, etc., all of which are exceedingly dear. Only yesterday I supplied to one patient with an unbroken boil 4 oz. of boric lint, to another with a similar complaint 2 oz. boric lint, 2 oz. wool, and one bandage. Surely some old linen rags soaked in hot water or hot boric water would have done equally well. This kind of extravagance is not peculiar to my district, but from what I can gather is applicable to many others in all parts of the Kingdom. We chemists are out for as much business as we can get out of the Act, but we must not be silent when we see those precious dressings which are required by our brave wounded soldiers being wasted on civilians. My suggestion is for the Insurance authorities to stop the ordering of surgical dressings during the war.

J. W. D. (43/14.)

The Trade in Proprietary Articles.

Sir,—I am in entire agreement with the opinions expressed by "Fair Play" in the *C. & D.*, March 30, p. 50. I hope to see formed shortly for Scotland a Central Council to which trade matters could be referred in the same way as the Pharmaceutical Standing Committee deals with Insurance dispensing affairs. Perhaps the Trade Committee of the Glasgow Association could be induced to take this up. Each little Association fiddling its own tune is not much good. We should then be in a better position to deal with those high and mighty firms who are not above sending abusive and threatening letters to men who dare to express their opinion, and whom they fancy they can intimidate.

Yours faithfully,

Scotch Ucalite. (42/51.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Paper Economy.

Economist (254/7) writes: "The Paper Controller when he comes to our shops will have no fault to find with the drug-trade, as instance the four labels herewith, all taken from one sheet of brown paper, which is doing its bit! I say 'doing,' because the remainder of the sheet is hanging up here, and will be used again before evening; after that it will deserve a rest."

Porous Earthenware Vessels.

G. R. (175/37), writing in regard to some earthenware vessels employed for egg-preserving purposes which leaked through the pores of the earthenware, informs us that he got over the difficulty by coating the interior with hard paraffin. He adds, "There is now no leakage, and I have covered myself with glory. Perhaps this information may be of some value to others."

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

J. M. K. (35/41).—Production of Poison-book.—There is no provision made in the Arsenic Act or Pharmacy Acts for the production of the poison-book kept under these Acts, but it is generally considered good policy to assist the authorities in tracing purchases of poison. The Cocaine and Opium Regulation contains special provisions for the inspection of the cocaine and opium registers by any person authorised by the Home Secretary.

North (3/60).—Sale of Cantharidin Preparations.—The poison schedule includes in Part 2 all preparations and admixtures containing the poisonous derivatives of cantharides. Cantharidin is a poisonous derivative, and rosemary-and-cantharidin hair-wash a preparation of cantharidin, being on that account brought into the schedule. On the other hand, it is probable that in many cases the principle *de minimis non curat lex* applies, by reason of the small amount usually present in such a compound as that referred to.

R. L. (36/69).—Sale of Venereal Remedies.—"R. L." writes: "If a person comes into the shop and hands over a paper upon which is written 'capsule for gonorrhœa,' may the chemist supply anything? If the chemist adds that he does not personally recommend the article supplied, and that the law expects the customer to go to a doctor, does that exonerate him from blame?" [We consider that the supply of capsules in a scheduled area on an order such as "R. L." states would be treating, prescribing, or giving advice in connection with the treatment of venereal disease contrary to Section 1 (1) of the Venereal Disease Act. It is a different matter if the customer's order demanded, *e.g.*, santal-oil capsules, where, in our opinion, it is the customer who is prescribing, and not the chemist who supplies the capsules.]

W. V. B. (224/41).—Compounding Prescriptions in Ireland.—Referring to the reply which we gave you in the *C. & D.*, February 2, p. 52, it is possible that the accidental inclusion of the words "for human beings" may have misled you. The Pharmacy Act (Ireland), 1875, Amendment Act, 1890, gives registered druggists or chemists and druggists the right of "retailing or mixing of poisons, but not to compound medical prescriptions." What "medical prescriptions" includes has not been decided by the Courts, but the view is held by authorities on the Act that the expression includes prescriptions written for animals. This is shown by the fact that veterinary surgeons are allowed by the 1875 Act to dispense medicines for animals under their care, thus specifically giving them a right which the Act restricts to pharmaceutical chemists and medical practitioners and apothecaries.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. P. S. (22/71).—Offer of Business.—Without well-kept books extending back for five or six years a purchaser is somewhat in the dark as to the real value of a business which is offered to him. You should accept the seller's offer to let you manage the business for three months, as that is quite an honest avowal that the seller has faith in his business. A professional valuer would undertake the valuation of stock and fittings, and both seller and purchaser could agree to accept his figures. Having obtained a basis in the value of the stock and fixtures, a sum for goodwill should next be arranged. This may vary from 100*l.* to 250*l.*

G. H. F. (27/74).—Cramp in the Feet.—When a spasm is in progress rub the part vigorously with the hand, or place the foot in hot water. When the attack is over rub in a stimulating liniment and keep the part warm. A good cramp-draught, which should be kept in readiness by those who are subject to this complaint, is the following:

Tinct. aconiti	♏ijss.
Sodii bromidi	gr. xij.
Tr. chlorof. co.	♏xv.
Aq. menth. pip. ad	℥j.

Repeat in an hour or two if required.

J. B. (27/10).—Intensifying Faded Writing.—Try the effect of moistening with liq. ferri perchlor. or ammonium sulphide, but do not use both reagents on the same label.

G. M. (Milan) (257/68).—The difference between the various kinds of calcium carbonate is physical, which makes the different varieties more suited for particular purposes.

F. R. & Co. (Calcutta) (250/18).—The formula for Liquid Dry-shampoo which we gave in the *C. & D.*, October 20, 1917, p. 52, will give you a good idea of how these preparations are devised. Menthol can be added if desired.

A. P. (Concorezzo) (208/42).—Prescription Signs.—The signs which puzzle you on English prescriptions are symbols for the apothecaries' weights used in this country, as follows:

℥ = an ounce of 480 grains.	O. = a pint of 20 oz.
ʒ = a drachm of 60 grains.	♏ = a minim.
℈ = a scruple of 20 grains.	gr. = a grain.
lb. = a pound.	

The signs which follow these are the Roman figures for the quantities—the "ss" which you see in printed works is an abbreviation for *semisse* (half). A long tail is given to some of the numerals to mark the final figure.

Hyades (7/12).—(1) Liquid Dry-shampoo.—The question of "cheapness" is, of course, relative, but most people will agree that a liquid "dry" shampoo which involves the use of spirit is no longer "cheap." The supply of industrial spirit for this purpose, at the present time, is precarious. A typical formula was last given in the *C. & D.*, October 20, 1917, p. 52, but if industrial spirit is used (by express permission of the Board of Customs and Excise) the addition must be made of some ingredient such as quassine. (2) As a rule, when the finer perfume-essences deteriorate, and, as you say, "only smell of spirit," it is useless to try to restore the odour. A little ammonia is stated to be useful in this case, but we doubt very much whether any appreciable improvement is obtainable.

E. H. S. (3/73).—Liquid Floor-polish.—We published two formulæ in the *C. & D.*, August 21, 1915, p. 60, but we cannot say how nearly these resemble the proprietary article to which you refer.

F. S. M. (Barcelona) (20/49).—Methyl Salicylate, or artificial oil of wintergreen, is made by boiling a mixture of salicylic acid, sulphuric acid, and methyl alcohol under a reflux apparatus. The sulphuric acid abstracts the water as fast as it is eliminated from the salicylic acid. The methyl salicylate floats on the surface of the liquid, and is subsequently purified by distillation. The method devised by Beringer, which answers well for the production on a small scale, is as follows:

Dissolve salicylic acid ½ oz. in absolute methyl alcohol 2 oz., then add gradually sulphuric acid 1 oz.; warm gently during twenty-four hours; then distil from a retort in which a current of steam is introduced.

S. & Co. (13/68).—Oxygen Tooth-paste.—The addition of hydrogen peroxide, magnesium peroxide, or sodium perborate is made to tooth-paste with the object of obtaining the bleaching action on the teeth of nascent oxygen. It is probable, however, that on keeping the oxygen is evolved through contact with the moisture before the paste is employed as a dentifrice.

Mahogany (32/21).—Fireproofing Wood.—The rendering of wood fireproof resolves itself into impregnating the fibres with a chemical which prevents the wood bursting into flame when exposed to heat. The process which is employed for the purpose is to steam the wood in a steel cylinder for from a few hours to a few days, according to the nature of the wood—mahogany, the wood you have in mind, requiring the longer time. The cylinder is then exhausted so as to form a vacuum of about 28 inches, for about half the time usually required for steaming. The fireproofing solution is next run into the cylinder and allowed to remain for about twelve hours without pressure, and for about twenty-four hours at about 300 lb. pressure. The fireproofing chemicals used are various, but may be put into a few classes: those which, like calcium and zinc chlorides, keep the wood moist; salts of ammonium, which produce a nitrogenous charcoal with carbonaceous matters that burn with great difficulty; and fusible materials which cover the organic substance and prevent the action of the atmospheric oxygen. The cost of sodium tungstate is at present prohibitive as a fireproofing chemical, but a solution containing ammonium phosphate (10 per cent.) and boric acid (1 per cent.) would probably give the best results in the case you mention. You should also get to know what are the Admiralty requirements, as the test may have some features which demand special treatment of the wood.

D. S. & S. (Delhi).—(1) Euquinine.—This is quinine ethyl-carbonate, which was first prepared under patents 4991 of 1896 and 22639 of 1899 (see *C. & D.*, February 27, 1915, p. 65, for abstracts of these). The patents have expired, but the name "euquinine" still remains on the Register of Trade-marks in Great Britain. (2) Phenyl Disinfectant is a proprietary article. It appears to contain a phenolic constituent suspended in a rosin-oil emulsion.

J. M. W. L. (32/36).—(1) Bootmakers' Rubber Cement.—A thick liquid is made by dissolving 1 oz. of rasped gutta-percha in 5 oz. of carbon bisulphide, to which a little resin may be added. The surfaces of the boot and of the piece of leather to be employed as a patch are cleaned by means of sandpaper, spread over with the guttapercha solution, the solvent allowed to evaporate, the patch heated over a gas-flame, applied to the boot, and pressed into position, smoothing the surface with a warm plaster-iron. (2) The "catarrh-scent" and skin-ointment labels would render the preparations to which they are attached liable to medicine-stamp duty.

Camrac (32/50) and *A. R. B.* (9/1).—We do not know the formula for the proprietary liniment you mention, but possibly the American liniment, a recipe for which we gave in the *C. & D.*, March 30, p. 52, is the type you require.

J. S. (34/57).—A trace of aniline violet dusted on coins colours the hands of the person who handles them subsequently. This test is sometimes used for detecting thefts from shop-tills.

Juno (254/16).—Venereal Prophylaxis.—The question of the supply by chemists of mechanical and medicinal preventives of venereal disease is, as you say, largely a moral and religious one. Sir Bryan Donkin holds that the prevention of venereal disease is as much a duty of the medical profession as is the cure. The other view is that the diseases referred to are deterrent and punitive, and should only be combated by moral teachings. Dr. J. C. McWalter, Ph.C., stated recently in the "British Medical Journal" that "incalculable evil will be done both to the Army and the civil population if we profess to be able to divest indiscriminate intercourse of its inevitable dangers." The Navy supply sailors with prophylactic outfits (containing potassium permanganate or calomel cream), and provision is now made in some Army camps for prophylaxis in case of soldiers who have exposed themselves to infectious venereal diseases. In considering what we have written you will bear in mind that there is no difference in effect from the use of mechanical preventives and chemical disinfectants.

J. W. C. (16/6).—Action of Iodine on Milk.—The discharge of the colour of iodine which you notice upon adding the tincture to milk is due to the phenomenon which, under the name of "iodine absorption," is employed as a method of differentiating fats from different sources. This iodine-value is a measure of the proportion of unsaturated fatty acids which, both in their free state and in combination with glycerol, have the property of assimilating halogens with formation of saturated compounds. The absorption of iodine by butter-fat is from 25 to 35 per cent., but the factor happens to be of very little importance in the examination of butter, as the refractometer constant, which is usually taken, bears an exact relation to the iodine-value.

Evandon (19/56).—Books for Investors.—Effingham Wilson, 54 Threadneedle Street, London, E.C., publishes several books on investments which you will find useful—*e.g.*, Cordingley's "Guide to the Stock Exchange" (2*s.*); Gabbott's "How to Invest Money" (1*s.*); Easton's "Work of a Bank" (2*s.*).

T. A. (17/54).—Use of Saccharin.—The various alterations in taste and colour which have been reported when saccharin is used for sweetening food are due, we believe, to the alkali which is present in soluble saccharin. Sometimes an excessive quantity is present owing to the high cost of milk-sugar and the difficulty in obtaining cane-sugar, which would otherwise be the usual diluents.

Quinine (18/1).—Massage of the Face.—We know of no book devoted to this subject, but most works on massage touch on the matter more or less completely. For example, Dowse's "Lectures on Massage and Electricity" (Wright, Bristol) has chapters on massage of the head and neck and of the skin.

M. & Co. (19/53). — Slug-destroyers. — The various chemical methods employed for the destruction of slugs depend upon the corrosive action of the agents upon the skin of the slugs—(*a*) alum coloured with yellow ochre, (*b*) sodium fluoride, (*c*) air-slaked lime, coloured with soot and mixed with a small quantity of naphthalene are representative slug-powders. Powdered glass is also employed with success.

C. H. (25/1).—Diabetic Marmalade.—We outlined the process for making this in the *C. & D.*, May 20, 1916, p. 80, but our inquirer did not tell us whether he succeeded in preparing a passable preparation. The equivalent of saccharin in sweetening power is reckoned on the strength of saccharin employed as "550" or "330" times sweeter than sugar.

H. V. (237/74).—We are unable to recommend a book of the kind you require, but will keep your inquiry before us with a view of furnishing you with the titles of books such as you mention.

Butter (14/45).—Unpleasant Flavour in Butter.—This, as you surmise, is due to the development of butter-acids and ethers through fermentation. The flavour which is communicated to the butter is generally prevented by the addition of sodium bicarbonate to the milk before it sours.

R. R. L. (181/35).—Book on Cretinism.—The only work on this disease with which we are acquainted, and cretinism is only a small part of the book, is Blake's "Myxœdema, Cretinism, and the Goitre" (Wright, Bristol). These are the diseases in which thyroid preparations are administered with such remarkable success.

Epsoms (24/3).—(1) Treatment of Acne.—As you have experienced, the treatment of *acne vulgaris* is often very slow in effecting a cure. Perhaps of all the medicaments that are used for this troublesome complaint sulphur holds the first place. It can be applied as Vlemmingk's solution (diluted 1 in 5 of water, and dabbed on nightly), or in the form of the following lotions, both of which are thought highly of by dermatologists:

I.		II.	
Sulph. præcip. ...	ʒj.	Sulph. præcip. ...	ʒiij.
Calaminæ	ʒij.	Liq. hydrarg. per-chlor.	ʒij.
Zinc. oxidi	ʒiij.	Eau de Cologne ...	ʒj.
Glycerini	ʒj.	Sp. vini rect. ...	ʒj.
Aq. dest. ad ...	℥iv.	Emul. amygd. amar. ad	℥viij.
Shake, and paint on with a brush.		To be applied with a piece of soft sponge.	

Internally a course of sulphur-lozenges or calcium-sulphide pills (gr. $\frac{1}{10}$ or more three times a day) may be taken.

(2) Calf Cordial for Scour.—The following is an acid astringent remedy for calf-scour which you will find useful for young animals:

Tinct. opii	♏ij.
Alum. sulph.	ʒj.
Inf. catechu	ʒij.
Inf. quercûs ad	℥vj.

Misce fiat mist. Label: Two tablespoonfuls for a dose three times a day.

(3) Optical Instruction.—You will find a list of optical schools in the *C. & D.*, August 18, 1917, p. 50. We suggest that you write to some of these in regard to postal instruction.

Seidlitz (37/17).—Erasmus Wilson's Pomade.—The only formula we have for a Wilson's pomade is one containing a little copper sulphate in a base of elderflower ointment and used for scurf. It is possible that your customer has in mind some proprietary article.

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Reprinted from "The Chemist and Druggist," April 15, 1868.

The British Pharmacopœia.

The Executive Committee of the General Medical Council give notice that, whereas there are certain chemists who are still in the habit of compounding and dispensing medicines according to the directions and formulæ contained in the London Pharmacopœia, all such persons should know that the British Pharmacopœia, as last amended and published by the Medical Council in 1867, is now the only Pharmacopœia authorised by law. And further, that any chemist or other person who, without the sanction of a legally-qualified medical practitioner, should compound and dispense medicines, otherwise than according to the authorised Pharmacopœia, would certainly be held criminally responsible if the effect of his so compounding and dispensing should prove injurious to the health or affect the life of the person taking or using such medicines.

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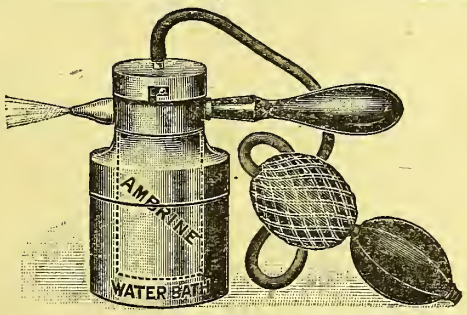

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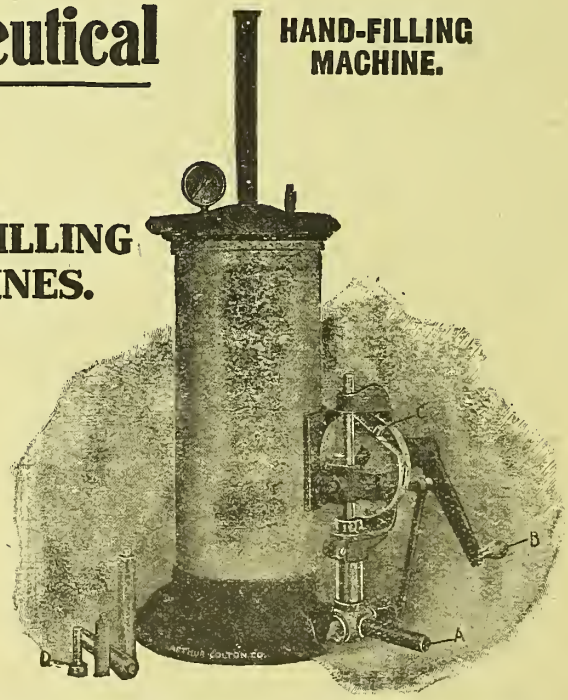

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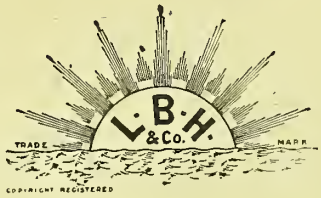

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Wholesale terms on application.
From your Wholesaler or
The Thames Chemical Co., Ltd.,
Amberley House, Norfolk St., Strand, W.C.

DISINFECTANTS
OF ALL KINDS
Cheapest Makers of Co-efficient Acids and Fluids
HENRY ELLISON, LTD., CLECKHEATON, YORKS

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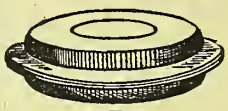
CHARTERED PATENT AGENT,
PATENTS, TRADE MARKS AND DESIGNS.
THE OLD MANSION HOUSE, 73 Cheapside, E.C. and QUEEN ANNE'S CHAMBERS, WESTMINSTER, S.W.

CACHETS

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The Best Quality.

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(*R. Rios*)
231 REGENT ST., LONDON, W. 1.
Cachets. All sizes, plain and embossed
Orders accepted for coloured & printed.
BLENOSAN CAPSULES
(Kava-Kava & Santal Compound).
Medicinal Capsules. Fine Chemicals.

CACHETS "FINOT"
(White or Coloured),
With Inscriptions in any desired tint; also Plain or Embossed.
"Beautifully made and the inscriptions give them a distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
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In 17 Sizes, to fit the various types of Cachet Machines.

Van Horn and Sawtell
—LONDON AND NEW YORK— MAKERS OF
"K-Y" LUBRICATING JELLY
IN COLLAPSIBLE TUBES AND OF
"Van Horn" Sterile Sutures and Ligatures
IN GLASS TUBES — PRICES ON APPLICATION
81-83 HIGH HOLBORN, W.C.

Glycerine Syringes
(VULCANITE AND GLASS).
2 dr., 11/- per dozen; ½ oz., 13/6 per dozen.
THE GALEN MANFG. CO., LTD.,
Wilson Street, New Cross, London, S.E. 14.

C. M. Smokers Dentifrice in particularly appealing tins, made for them and advertised to them. May we Send a Sample and tell you about a wonderfully successful window show?
Advertised 6d. P.A.T.A. 4½d. Cost 2/3 doz.
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A. MACNAIR & Co. Dolphin Distillery Ardwick, MANCHESTER

T. SHERBORNE & CO. Surgical Appliance Manufacturers.
Manufacturers of the "Stowaway" Suspensory Bandages, Cotton or Silk, and over 100 other patterns. (*Wholesale only.*)
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Hunters Lane, ROCHDALE.
Manufacturers for all purposes.
COTTON, WOOLLEN and LINEN.

This handy box is becoming better known each week that passes. . .

EVERY mail brings us letters from satisfied users and inquiring friends asking us to send supplies of Chocoloids by return. Every such letter conveys thanks for the benefits derived, and many inform us that our suggestion to have Chocoloids as a stand-by in case of bowel irregularity is being adopted.

We wish to transfer this trade to you, and we ask for "retail" co-operation in our endeavour.

Chocoloids are being extensively advertised in all the magazines, weekly periodicals, and in daily newspapers.

Take advantage of this publicity and the Chocoloids goodwill by ordering a supply to-day.

On the P.A.T.A. List.

Chocoloids REGD.

The Cure for Constipation

Bonus to the TRADE Chocoloids are supplied to the retailer in two sizes—at **12/-** and **24/-** per dozen. With each dozen small size we give you Free one small tin, and with each half-dozen large size one large tin. Retail price **1/3** and **2/6** respectively. This gives a profit of - - - **36% and 46%**

FREE A large stock of Showcards is available to customers, and will be sent on request.

Chocoloids may be obtained from Wholesalers, or from

The CHOCOLOID CO.
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General Printers,

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Are the people you require to execute your orders promptly and in first-class style.

ENVELOPES & FOLDING BOXES A SPECIALITY.

We shall be pleased to quote for your requirements.

A Good Line and all British

AQUAPERIA

A Harrogate Aperient Water, supplanting German and Austrian Waters.
It will be found a very profitable line, satisfactory both to Chemist and Customer.

Bottled by CAMWAL Ltd. at their Spring,

HARROGATE.

Of all Wholesale Houses and

CAMWAL Ltd.

LONDON MANCHESTER BIRMINGHAM
BRISTOL HARROGATE MITCHAM
& DEPOTS.

Aquaperia

A Harrogate Aperient Water

OVER 40% PROFIT.

RELENTA

THE BRITISH APERIENT WATER.

12/- PER DOZEN.

Carriage paid on full and empties.

2/- per doz. allowed for empty bottles.
5% discount Monthly settlement.

FIXED RETAIL PRICE—

1/6 per bottle (P.A.T.A.)

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SOLE PROPRIETORS.

LONDON—Vauxhall Walk, S.E. 11.

"GLACIALINE"

The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.

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By Royal

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REGISTERED.

Full directions for use enclosed in every package.
Packed in 6d. and 2/- Packets and 2/3 Canisters.
FAVOURABLE TRADE TERMS UPON APPLICATION TO THE

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THE MOST ECONOMICAL INFANTS' FOOD.

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"FRAME FOOD"

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

Dr. Allinson's Food Preparations

FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

Food for Babies, Prepared Barley, N. F. Cocoa, Biscuits, Wholemeal, &c.

See Trade Mark "T. R. Allinson" on all our goods—None Genuine Without.

SPECIAL NOTICE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd.,
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All advertising matter—Booklets, Window Displays Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

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PACKED TABLE

HONEY

All Varieties i.e., "White Clover," "Heather," etc.

SPRING & CO., Ltd., BRIGG, LINCS.

(The Largest Collectors and Packers of Honey in Gt. Britain)

Limited Supplies Available.

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ARE MANY—BUT WE CAN STILL SUPPLY

LABELS . . .
CARTONS . .
WRAPPERS
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PRODUCED IN THE VERY BEST MANNER.

for CHEMISTS and DRUGGISTS.

SPECIAL LINES IN
WRAPPING PAPERS and DEMYS.

Samples to Colonies 10/6, which is credited on orders of £10 and upwards.

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CHEMISTS' PRINTERS,

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Specialists in

Optical Prescription Work

of all kinds.

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WITH SINGLE-EDGED BLADES.

Net per doz. 8/6. Spare Blades 4/4.

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Bought, Sold or Exchanged.

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Rechristened by the Americans "The Great English Remedy."

Awarded 2 Gold Medals and 2 First Prizes, International Exhibitions, 1914. Tel. Address: "GIANT, PLYMOUTH."

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BOX'S PILLS

PRICE 13½d., 2/9, 4/6, 11/- & £1 1 0 PER BOX, POST FREE.

Prepared only by the Proprietor—

W. H. BOX, Giant Pill Manufactory, 161 & 163 King St., PLYMOUTH.

J. BARCHAM GREEN & SON,
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Makers of Filter Papers to replace the German Nos. 595, 597, 598, 602, 604, etc.

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Soxhlet Thimbles,
Drying Trays,
Drop Reaction Papers,
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Samples and Price Lists can be obtained from the principal Laboratory Furnishers.

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NOSTROLINE TRADE MARK REGD. NASAL SPECIFIC

for Nasal Catarrh, Cold in the Head, Influenza, and Hay Fever,

and to prevent all infection of the nose and throat.

PROTECTED AT FACE VALUE 1/3

Price—1 doz. 11/9, 3 doz. 33/9, 1 gross 135/-
Carriage Paid. Terms Cash Net.

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SACCHARIN, Insoluble, 550 strength
$21.00 per lb.

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Standard Monsanto Make. F.O.B. New York. Spot Goods.

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TARTARIC ACID B.P.
Crystal and Powder.

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Boxes of 24 Capsules

16/-

per doz.

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per doz.

To be obtained from the principal Druggists' Sundriesmen.

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SELF-LUMINOUS.

Highest Possible Efficiency, Durability & Value.

As supplied to H.M. Government, &c.
Guaranteed to pass N.P.L. requirements.
All Grades in stock, from 15/- per gram.
Radium Salts Tested and Certified.

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The Saline that gives satisfaction to both Customer and Chemist is Harley's Three Salts. It yields 50% Profit, P.A.T.A.

Trade Terms:
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Cash with Order.

Sole Maker:
HARLEY
Manufacturing Chemist
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ESTABLISHED 1841.
Great Turnstile,
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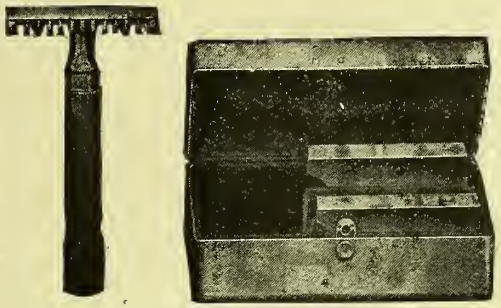

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British Made.

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English or Foreign catalogues on application.
We are the largest makers in Great Britain.

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Branch Offices: LONDON (Turner, Ryalls & Co., Ltd., Agents), 64 Basinghall Street, E.C.; GLASGOW: 52 St. Enoch Square.

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OF ALL DESCRIPTIONS.

Buyers in India, Australia, South Africa, and the Far East should send samples (two of each) and quantities required for quotations to

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JOHN BELL & CROYDEN, Ltd.,
Wigmore Street, W.1.
Specialise in Ampoule Filling.

CHEMISTS' SPECIAL FORMULÆ PREPARED ACCORDING TO REQUIREMENTS.

Special Quotations for Large Quantities.
SEND FOR PRICE LIST.

ASBESTOS FILTER FIBRE

Specially prepared for the filtration of Water, Beer, Spirits, Vinegar, Wines, Gelatine, Pharmaceutical Products and Essences.

GIVES A CLEAR AND SPARKLING FILTRATE AT A MINIMUM COST.

PURE, NEUTRAL AND INSOLUBLE.

Write for Samples and Prices to
TURNER BROTHERS ASBESTOS Co., Ltd.,
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The Northern Tin Canister Works,

6 Mersey Street,
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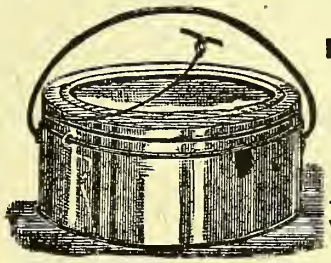

Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin For Export.

Prompt Deliveries Assured.

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ESTB. 132 YEARS.

A BRITISH FIRM
WITH BRITISH PARTNERS.

R. J. F. & B.'s Annatto, Rennet and Butter Colour have the Largest Sale in Great Britain.

R. J.
FULLWOOD & BLAND'S
ANNATTO "STAG" Brand
"DAIRY" Brand **RENNET**

Rennet Powder. Essence of Rennet.

BUTTER COLOURING.

Manufactory and Offices—
31, 33 & 35 Bevenden Street, Hoxton, London.
*Rennet Factory—***Ellesmere, Salop.**

Recommend it for Convalescence

Doctors prescribe Turtle Soup in all cases where the patient cannot retain any other nutriment.

FREEMANS
REAL TURTLE EXTRACT

is the real meat of selected West Indian Turtles, compressed into handy tablets; it provides all the delicacy and nourishment of soup made from fresh killed turtles, and is quickly prepared as it requires nothing but boiling water.

For hospitals, nursing and convalescent homes it can be strongly recommended as the best, safest and handiest invigorator obtainable.

The trade terms are particularly favourable, and particulars can be obtained by writing to
The Watford Mfg. Co. Ltd.
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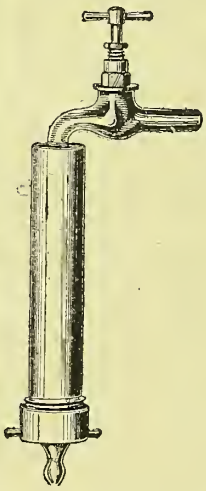
LIQUID GLUCOSE

SO_2 Free.

NO BLUEING USED.
Specially pure for Pharmaceutical Preparations.

THE MANBRÉ SACCHARINE Co., Ltd.,
HAMMERSMITH, LONDON, W.6.

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT STATEMENT:
Wherever the **PASTEUR FILTER** has been applied, **TYPHOID FEVER** has disappeared.

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Sole Makers:
The British Pasteur Chamberland Filter Co.
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LIQUID PARAFFIN

All Gravities and Correct Viscosities.

:: Finest on the Market. ::

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WHOLESALE ONLY.
Export orders a Speciality.

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B.P. 1914
Anhydrous; also Hydrous

Superfine
Palest Lemon

LANOLINE

Unsurpassed
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JASMINE
Our Regd. Brand

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B.P. 1914. Snow-White, Yellow. Finest on the Market.

THE PURE RUSSIAN LIQUID PARAFFIN CO., LTD.

3 St. Helen's Place, LONDON, E.C. 3.

ACTUAL
Manufacturers at our Works near London

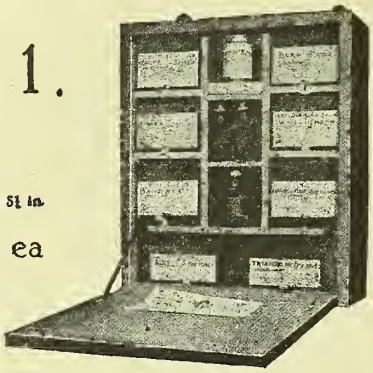
THE FASTNET

First Aid Cabinets

No. 1.

Dimensions: 10 by 9 by 5½ in.

25/- ea



No. 2

Dimensions: 15 by 12½ by 5½ in.

45/- ea

Carriage paid Nett cash with order. Wholesale terms on application.

Complying with the requirements of the Home Office First Aid Order of October 12th, 1917, in Blast Furnaces, Copper Mills, Iron Mills, Foundries and Metal Works.

As recommended also in the Memorandum on Sickness and Injury issued by the Health of Munition Workers' Committee, such First Aid provision is desirable in all Factories, Work shops and premises in case of accidents.

JOHN TIMPSON & Co., Ltd., 104 & 106, Golden Lane, London. E.C.

"Yena" Powder De Riz (Shen)

Bijou	30/-
Small	45/-
Large	60/-
Jumbo	108/-

N.B.—This is the Best Selling Line ever offered.

Showcards supplied Free.

3 NEW LINES.

Fett Powder
Assorted tints, in tins ... 24/- per gross

Russian Face Powder
Assorted tints, in square, gold blocked boxes, 27/- per gross

Cologne Face Powder
In round attractive boxes, assorted tints, 8/- per gross

SPUN OINTMENTS

(Regd. Trade Mark.) impalpable and absolutely uniform, are now the standard of quality.

And CREAMS of every kind for HOME and EXPORT trade.

Spun Ointments are the production of Shen Works only. All B.P. Ointments are now spun.

ROBERT BLACKIE,

WHOLESALE AND EXPORT MANUFACTURING CHEMIST,

Head Office, Mills and Laboratory—

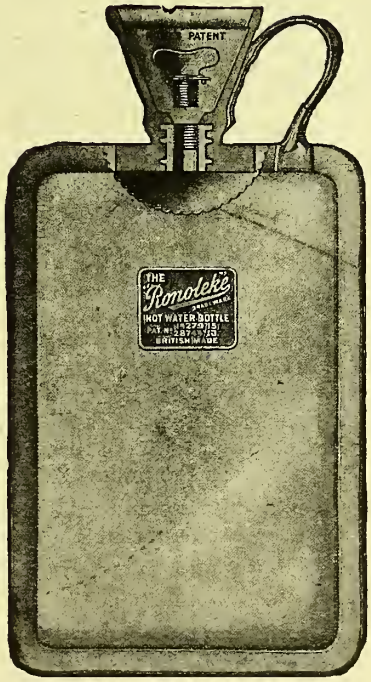
SHEN WORKS, Tower Bridge Road, LONDON, S.E.

THE

"Ronoleke" R.E.G.D.

HOT WATER BOTTLE

Guaranteed Unleakable



A Further Alteration *of* Prices

Your Profit Pro Rata

OWING to increasing cost of labour and materials, we are again reluctantly compelled to advance our prices of the "Ronoleke" Hot Water Bottle. We do not, however, ask you to shoulder the burden—we take you with us! We *do* ask your co-operation, to our mutual benefit. In your comparison of new with old prices you will find that we have considered your interests generously.

New Prices

Size.	Wholesale Price. (each)	Retail Price. (each)
6″ × 8″	4/1	6/2
6″ × 10″	4/5	6/8
6″ × 12″	4/9	7/2
7″ × 10″	4/8	7/-
7″ × 12″	5/4	8/-
8″ × 10″	5/-	7/6
8″ × 12″	5/8	8/6
8″ × 14″	6/1	9/2
9″ × 12″	6/-	9/-
10″ × 12″	6/5	9/8
10″ × 14″	7/3	10/10
10″ × 16″	7/9	11/8
12″ × 16″	8/6	12/9

Mending a "Mac"

Probably the most "unmendable" of all garments is a Mackintosh.

Here are two illustrations of one—and note particularly that both have been reproduced from actual UNTOUCHED PHOTOGRAPHIC prints, showing how effectively that wonderful new material

Mend-a-Tear PATENT

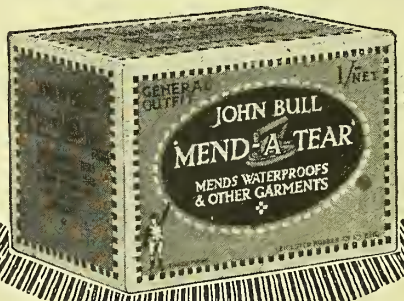
which mends without stitches, effected the repair illustrated in less than 30 minutes. Note that, and then write us for terms.

Sells at 1/- per Carton.

Khaki and General.

LEICESTER RUBBER CO., LIMITED,
18 Granby Mills, Leicester.

There's never a tear you can't repair with MEND-A-TEAR.



Makers of the famous John Bull Cycle and Motor Cycle Tyres.

HAVE YOU WHOOPING COUGH or MEASLES IN YOUR TOWN?

Our proposition regarding the vaporific cure

WITH FREE VAPORISER

WITH FREE VAPORISER

FUMO-TARACINE

will prove of great interest to chemists in infected districts. To Sole Agents we offer exceptionally large profits.

RETAIL SELLING PRICES:
2-oz. bottle, 1/1½; 4-oz. bottle, 2/-; 16-oz. bottle, 6/- (including **FREE VAPORISER** with each bottle).

THE COAL BY-PRODUCTS COMPANY,
112 HIGH HOLBORN, W.C. 1.
Telegrams: "Corvproco, Westcent, London."

RUBWEL SKIN OINTMENT

33⅓% Minimum retail profit. **PROFIT** **80%** Profit if window show is given.

Rubwel Ointment is a line that appeals to the Chemist who plans his business on progressive lines. It is a soothing application for abrasions, sunburn, wind-chap and dandruff that has become deservedly popular with the public.

It commands a ready sale in every district and shows a remarkable good profit, too.

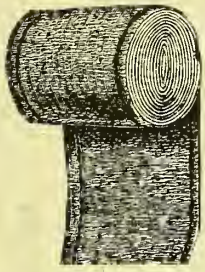
For minimum orders of £2 and a window display, a Bonus in goods, which sell at 10/-, will be supplied in any sizes to customer's wishes.

24/-, 54/- and 96/- per gross, carriage paid.
To retail at 3d., 7d. and 1/1.

THE RUBWEL CO., LTD.,
PENDLETON, MANCHESTER
& 4 Redcross Street, London, E.C. 1.

CREPE BANDAGES. BRITISH MAKE.

LIGHT AND COMFORTABLE TO WEAR.



ELASTIC, BUT CONTAINS NO RUBBER.

Fig. 1331.—The **"Saffron" Crepe Bandages**, fast edges, 5½ yards long when stretched out—

	Width	2 in.	2½ in.	3 in.	3½ in.
Medium substance for ordinary wear	per doz.	10/-	11/6	13/-	16/6
Stout " " **hard** "	"	13/-	15/-	15/6	24/-

Full directions for use with each Bandage.

Cotton Elastic Web Bandage ... ... per doz. yards, 2 in. **5/-**, 2½ in. **6/6**, 3 in. **8/6**.

THE "EMPIRE" ELASTIC HOSIERY.

	Stockings.	Knee Caps.	Anklets.	Leggings.
Cotton Elastic, ordinary quality, for **hard** wear ... ... per pair	5/6	4/6	4/6	5/-

5 % discount allowed for prompt cash off above prices.

We are the right House for British-made Goods, Catheters, Enemas, Elastic Hosiery, Hot Water Bottles, Injection Syringes, Pessaries, Sponge Bags, Trusses, Water Beds, Water and Air Cushions, Waterproof Sheeting; and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,

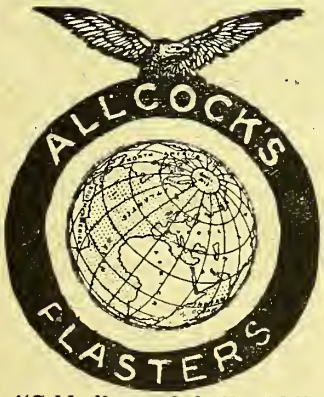
91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

ESTABLISHED 1847.

Allcock's PLASTERS

A REMEDY OF 70 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} *The Three Reliables.*



Prices and Terms on application to
ALLCOCK MANUFACTURING COMPANY
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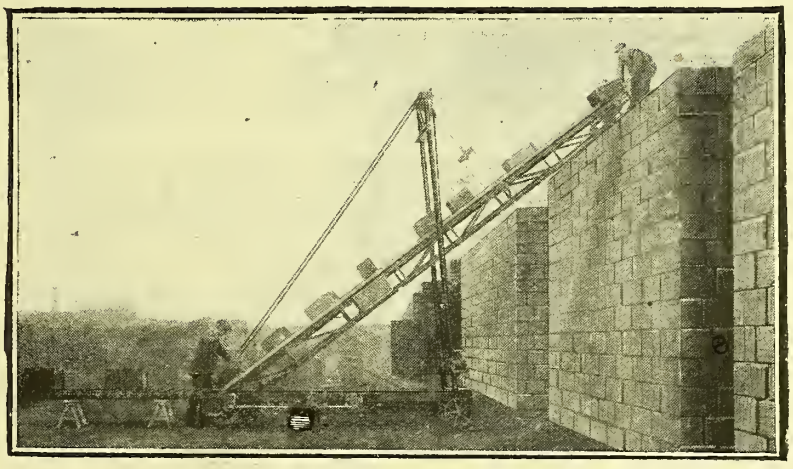

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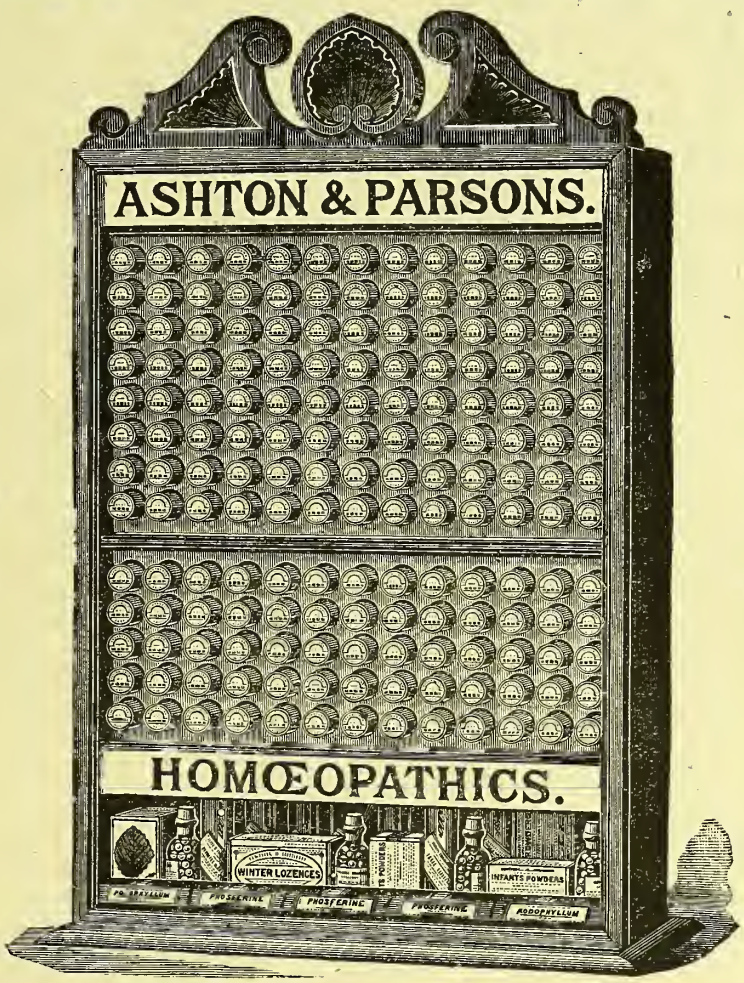

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, APRIL 6, 1918

This Supplement is Inserted in every number of The Chemist and Druggist.

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ASSISTANT for mixed country business; qualification not essential; knowledge of Photography preferred; outdoors; easy hours, no duty. State salary required, Randall & Son, Wareham.

ASSISTANT; outdoors; easy hours, 8.30 to 7, Wednesdays 8.30 to 1, Saturdays 8.30 to 8.30, no Sunday or after-hours' duty; without N.H.I.; state salary required, when at liberty, references; photo if possible, to be returned; other Assistants kept; pleasant town, with good river and boating. Apply Elliott, M.P.S., High Street, Evesham, Worcestershire.

ASSISTANT, unqualified, ineligible, outdoors, hours 8.30 to 7, no Sunday duty, usual half-holiday, no N.H.I., for good-class suburban Dispensing business; would suit a man studying for Optical qualification. Rex Blanchford, Chemist and Optician, 76 High Street, Wimbledon. Telephone: 543.

ASSISTANT, lady or gentleman, wanted, chiefly for Dispensing. Apply, with full particulars of experience, age, references, and salary required (outdoors), to R. C. Harrison, Ph.C., The Old Bank Pharmacy, Haslemere.

ASSISTANT; part or whole time; either sex. Crane & Co., Chemists and Opticians, Lambeth Walk, S.E. 11.

CAPABLE, unqualified Dispensing and Counter Assistant required for branch business in good-class locality; qualified Manager and lady Assistants employed; hours 8.30 to 8, Wednesdays to 1, Saturdays to 9, no Sunday duty; outdoors; applicants must be ineligible for military service. Particulars of experience, salary required, references, etc., to Managing Director, Hodder & Co., Ltd., 5 Nelson Street, Bristol.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, ability in Pharmacy and Dentistry, if any, salary required, when disengaged, references, photo, Foster, "Ivydale," London Road, Portsmouth. Also Dental Operator Mechanic.

DISPENSER wanted; ineligible man or lady, used to Retail business; must be good writer and reliable; outdoors. State salary required and references, Chave & Jackson, Ltd., Chemists, Hereford.

DISPENSER, lady or gentleman, for Doctor's Surgery, S.E. district, 10 minutes from London Bridge, to act also as Surgery Attendant and Bookkeeper; able to drive car preferred, but not essential; must be willing, capable, and punctual; rooms at garage if required. All particulars to 85/40, Office of this Paper.

DISPENSER (male or female) wanted at the Park Fever Hospital, Hither Green, Lewisham, S.E. 13 (under the Metropolitan Asylums Board). The person appointed must be a licentiate of the Society of Apothecaries or registered under the Pharmacy Acts (Major or Minor certificate of the Pharmaceutical Society). Those holding only the Assistants' certificate of the Society of Apothecaries are not eligible; salary £120 per annum, rising after four years' service by £7 10s. annually to £180 (no increment until after four years' service), with a special war allowance of 5s. 4d. per week. Applications must be made in writing, giving particulars of qualifications, to the Acting Medical Superintendent at the Hospital.

DISPENSER (female, temporary) wanted at Joyce Green Hospital, Dartford, Kent; must be a licentiate of the Society of Apothecaries or registered under the Pharmacy Acts (Major or Minor certificate of the Pharmaceutical Society); those holding only the Assistants' certificate of the Society of Apothecaries are not eligible; remuneration three guineas a week; the appointment is resident, and a charge of 13s. 6d. per week will be made in respect of board, lodging, and washing. Apply, in writing, to the Medical Superintendent at the Hospital.

DISPENSING STOCKKEEPER.—The Army and Navy Stores, 105 Victoria Street, Westminster, S.W. 1, have a vacancy for the above; hours of work approximately 8.45 to 6.15. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department.

EVENING WORK.—Wanted for two evenings per week, preferably Monday and Tuesday or Tuesday and Wednesday, and alternative Saturday evening, Assistant for Dispensing and Counter; Hammersmith district. State hour at liberty and salary required to "W." (44/67), Office of this Paper.

EVENINGS (male); Assistant required on Mondays, Tuesdays, and Fridays from 5.30 or 6 to 8. Apply J. Brooks, Pharmacist, 8 High Street North, East Ham, E. 6.

GIBSONS, Wholesale and Retail Chemists, Gooch Street, Birmingham, require a capable Assistant; permanency and prospects to live and suitable man; comfortable position and easy hours; would suit discharged man. Apply, with fullest particulars, age, experience, etc., first letter.

LADY Assistant required for Counter and Stock; opportunity to acquire knowledge of Dispensing; outdoors. Gaze, Chemist, 10 The Avenue, Highams Park, E. 4.

LADY Assistant required, accustomed to Perfumery and Toilet articles; light hours. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C. 1.

LADY Assistant (Hall qualification) required, with Counter experience, in pleasant healthy town 34 miles from London; moderate hours; no Sunday or after-business duty; Dispensing and Light Retail; comfortable inexpensive lodgings obtainable. Apply, stating age and full particulars, with salary required and how soon available, to "Pharmacist" (86/18), Office of this Paper.

LADY Dispenser, with knowledge of Retail business preferred; outdoors; salary and commission £2 per week; hours 8.30 to 6.15, close Wednesdays at 1, Fridays 8, Saturdays 8.30, no Sunday or holiday work; three other ladies on staff. Payne, Pharmaceutical Chemist, Maidstone.

LADY Dispenser required; accustomed to good-class Dispensing. Apply, with full particulars, to "A. J. B. C.," Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W. 7.

LOCUM (unqualified) wanted for about a fortnight, to manage a small Drug Store in the North. Apply 86/30, Office of this Paper.

LOCUM, early date (indoor if possible), for about 14 days. Particulars, age, salary, in- or out-doors, references, to Westland, Chemist, Tooting Junction, S.W. 17.

MANAGER (over military age) required to take charge of busy Pharmacy; must be quick Dispenser and smart at the Counter; about 10,000 Prescriptions annually; wages £14 a month; outdoors. Apply 83/34, Office of this Paper.

MANAGER (outdoors) required in riverside town for good-class Retail, Dispensing, and Photographic business; must be a good Counterman and Prescriber, and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Manager wanted (immediately) for quick cash business; must be a quick and accurate Dispenser, and not afraid of hard work; sole charge. Apply Munday's, Cash Chemists, 25 Camberwell Green, S.E.

QUALIFIED man wanted, either full or half-time; easy and comfortable berth. Apply with full particulars, which will receive immediate attention, to "Saffrol," c/o Heath Bros., Blackfriars, Manchester.

QUALIFIED elderly gentleman to fill post as Supervisor to a small Pharmacy Company doing a Family Dispensing trade; duties light and formal; hours easy, with plenty of time off; must be capable of taking charge; would suit an elderly, active, reliable man, looking for a permanency; moderate salary. Apply "Gwalia" (85/28), Office of this Paper.

QUALIFIED Manager for country business, West Riding; capable, energetic; comfortable berth; discharged or elderly man; no Sunday duty. Apply, stating terms (outdoors) and references, 82/8, Office of this Paper.

QUALIFIED Assistant for branch; working-class business. Please state salary and full particulars to R. R. Bagshaw, Chemist, Newton Heath, Manchester.

QUALIFIED Manager (ineligible), chiefly for N.H.I. Dispensing and Retail. Give full particulars, stating salary (indoors), Eato, 57 Forest Lane, Stratford.

REQUIRED, lady Counter Assistant, with experience in the selling of Perfumery and Druggist Sundries in ordinary demand; smart appearance; hours of work 8.45 to 6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to the Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

THE Ebbw Vale Workmen's Medical Society requires the services of two Dispensers holding the "Hall" or N.H.I. qualification. Applications, stating age, experience, and salary required, to be sent to the Secretary, Central Dispensary, Ebbw Vale.

THE LORD DERBY WAR HOSPITAL, WARRINGTON.—Wanted, Temporary Dispenser (female); must be fully qualified; salary £52 per annum, with board, lodging, and washing. Applications, stating age, experience, qualifications, and enclosing references, should be sent to the Administrator at once.

UNQUALIFIED Assistant wanted; must be over military age or ineligible; references to bear strictest investigation. Apply, with fullest particulars, to 86/5, Office of this Paper.

VACANCY for an Apprentice, Mechanical Dentistry; small premium. Particulars, apply Edwards, 4 Staplehurst Road, Lewisham, London, S.E. 13.

WANTED, an Assistant in mixed country business (male or female), with experience in putting up Proprietary preparations, also Counter work, Window-dressing, etc.; short hours and no Sunday duty. Apply, stating references, salary, etc., to H. S. Hogg, Chemist, Ulverston, Lancs.

PATENT MEDICINES AND PROPRIETARY ARTICLES.

POISONS NOT SOLD.

WANTED, a YOUNG LADY, able to take charge of this department in large Retail Stores. Excellent opportunity for permanent and comfortable situation. Good salary. Apply, in strict confidence, to "P. M.," Lewis's Stores, Ranelagh Street, Liverpool.

WANTED (urgent), qualified Chemist; good mixed business; N.H.I. Dispensing; permanency if desired. State salary, references, etc., to Lancashire Drug Co., Ltd., Accrington Road, Burnley, Lancs.

WANTED, an Assistant, lady or gentleman, to Dispense and assist generally; moderate hours; qualification not necessary. Full particulars to E. Millhouse, 26 New Road, Gravesend.

WANTED, a qualified Manager (lady or gentleman) for Light Retail business; 30 miles from London; permanency; hours 9 a.m.—7 p.m., half-day Wednesday, Saturday 9 p.m. Full particulars, with photo if possible, to Mr. F. E. Herington, 125 Ashburnham Road, Luton, Beds.

WANTED, near London, unqualified Assistant, good all-round man, for good-class general business; salary £3; free rooms; married man; no family preferred; this vacancy offers good prospects to really smart and conscientious man. Apply "L." (41/17). Office of this Paper.

WANTED, Assistant; outdoors. Apply, stating age, experience, and salary required, to L. Cameron, Pharmaceutical Chemist, Seaford, Sussex.

WANTED, Assistant (outdoors); ineligible; Light General Retail business; hours 9 a.m. to 8 p.m., Tuesdays 1 p.m., Saturdays 9 p.m. Apply 83/33, Office of this Paper.

WANTED, Dispensing and Counter; lady (or gentleman ineligible); must have thorough and up-to-date knowledge of cost price of Drugs and Patents; Sunday Dispensing; Midlands; state salary required. Apply 87/6, Office of this Paper.

WANTED, qualified Branch Manager for Light country business; good salary; suit elderly gentleman; Veterinary experience preferred. Topping Bros., 31 Church Street, Preston.

WHOLESALE.

ASSISTANTS wanted for Manufacturing Laboratory and for Wet Counter. Baiss Bros. & Co., Ltd., 175 Grange Road, Bermondsey, S.E. 1.

ASSISTANT required for Perfumery and Toilet Department (at once). Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

BRADY & MARTIN, LTD., Northumberland Road, Newcastle-upon-Tyne, require male Assistant, ineligible or low Army category, with knowledge of Surgical Instruments and general experience of Truss and Belt Fting, etc. Applications, giving age, references, salary required, should be addressed "Surgical" to above address.

LIVE Representative, with good London connection, to handle well-established Perfumery and Toilet specialities; commission basis. Write, in first instance, British Toilet and Perfumery Co., 64 Great Titchfield Street, W. 1.

MAN wanted for Wet Counter; ineligible. Apply Wm. Hay, Ltd., 3 York Street, Walworth, S.E. 17.

MAN, used to working in Pharmaceutical Laboratory, accustomed to Steam Pan work. Replies, stating age, past experience, and salary expected, to 88/220, Office of this Paper.

MAN required for making Malt Extract and Oil Emulsion in large quantities; only those with experience need apply. Replies, giving full particulars and stating salary expected, to 88/22, Office of this Paper.

MESSRS. BRADY & MARTIN, LTD., Northumberland Road, Newcastle-upon-Tyne, require a General Assistant for the Scientific and Chemical Apparatus Department of their business at the above address. Applications, stating age, experience, salary required, etc., should be marked "Apparatus."

PACKER wanted. Apply to Bourne, Johnson & Co., 35 Furnival Street, Holborn, E.C.

PERFUMER required; either a Frenchman or one who has had Continental experience. "G." (38/22), Office of this Paper.

REQUIRED, Chemist Laboratory Assistant; experience in Pill Making in large West-End establishment; hours of work approximately 8.45 to 6 o'clock, 1 o'clock Saturdays. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department, Army and Navy Co-operative Society, 105 Victoria Street, S.W. 1.

TRAVELLER wanted for Heavy Chemicals for London; salary £2 per week, advancing on success, and commission. Apply "Traveller" (44/31), Office of this Paper.

TOILET PREPARATIONS, BRILLIANTINES, CREAMS, PERFUMES, ETC.—Practical man required with knowledge of manufacturing these articles; good prospects for energetic and capable man. Write stating experience, and also salary required, to 88/21, Office of this Paper.

WANTED (at once), Pill Coater and Maker. Address Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

WAREHOUSEMAN or Light Porter, with Drug Trade experience; good references essential; liberal wages to steady, industrious, trustworthy man. Apply by letter, giving full particulars, to Dubarry, Perfumers, 81 Brompton Road, S.W.

WET Counter first hand wanted; must be thoroughly experienced. Apply General Apothecaries' Company, Ltd., 49 Berners Street, W. 1.

YOUNG lady required as Invoice Clerk, accustomed to Drug Pricing; hours 9-5.30 p.m.; good references essential. Apply, with full particulars, to E. H. Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

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(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

NICE.—Qualified and experienced Assistant required; exempt from military obligations, and having a knowledge of French and French Pharmacy. Apply, with full particulars, to Pharmacie Anglaise, 12 Avenue Massena, Nice.

SITUATIONS WANTED.

1s. for **12** words or less; **6d.** for **every 10** words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

A POST required in London; Hospital or Dispensary preferred; temporary work not objected to; disengaged now; Hall certificate, 1915; excellent testimonials. Reply "W.," 70/21, Office of this Paper.

LOCUM or otherwise; disengaged in a fortnight. Apply Arthur Horsman, 42 York Street, Oswestry.

ASSISTANT; mixed country business; all-round experience. Apply 87/1, Office of this Paper.

ASSISTANT; Chemist's wife; experienced Counter hand, Stock, Window-dresser; no N.H.I. work; whole or part time. Mrs. Wright, 10 St. Ann's Road, Brixton, S.W. 9.

BRIGHTON.—Assistant; 25 years' experience; unqualified. "Referentia" (84/39), Office of this Paper.

CERTIFICATED lady Dispenser (experienced) desires post with Doctor or Institution, within easy distance of under-mentioned suburb. Apply Morris, 11 Manor Road, Beckenham.

DISENGAGED, discharged, unqualified, 23, knowledge of Photography and Optics, wants situation near South Coast; part or full time; no heavy work; could manage country business. "W.," 5 Paisley Road, West Southbourne, Bournemouth.

DISPENSER (Hall); straight from College; Doctor, Institution, Chemist; no Counter; London. Apply 83/24, Office of this Paper.

DISPENSER, 25 years' experience, free from 9 till 6; absolutely trustworthy and steady worker. "S.," 19 Rockmount Road, S.E. 19.

ELDERLY, qualified Assistant Manager; permanency; single; active; N.H.I. Prescriber; comfortable berth; moderate hours. Apply 84/12, Office of this Paper.

EVENINGS.—Experienced, qualified Dispenser requires post. Apply 84/3, Office of this Paper.

HOSPITAL Dispenser; Locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

LADY Dispenser, good Bookkeeper, aged 30, two years' experience, requires post with Doctor or Chemist. Please state hours, duties, and salary. V. Boy (85/18), Office of this Paper.

LADY Dispenser (Hall); experienced in general Surgery work and Public Dispensary; in or near London. Apply 86/15, Office of this Paper.

LADY Dispenser, part-time, desires post in Hospital or with Chemist; some experience; London preferred. Miss Crow, 38 Selborne Road, Ilford.

LADY Dispenser, Hall certificate, Bookkeeping certificates, requires post, London or suburbs; four years present, two years previous post; Institution or Doctor preferred. Apply 86/36, Office of this Paper.

LOCUM; over military age; abstainer; experienced Prescriber, Counterman, etc.; references. "Energetic," 20 Chapel Street, Uxbridge, Middlesex.

LOCUM; 38; unqualified; first-class man; Dispensing, Agricultural, Optical, Photographic; excellent references; £4 10*s.* per week. Apply 85/20, Office of this Paper.

LOCUM or part-time Assistant; disengaged April 10th; qualified; used to quick Counter work and Dispensing; middle-aged. Apply 85/36, Office of this Paper.

LOCUM, qualified, disengaged for one or two weeks this month; London or near; 5 guineas. Apply 86/1, Office of this Paper.

LOCUM; reliable; undeniable references; Thursdays from about 2.30 p.m.; one mile London side, six miles Surrey side of Putney Bridge. "Rex" (87/7), Office of this Paper.

LOCUM; qualified; highest London, Continental, and provincial experience; please state salary offered, in- or out-doors. Apply 87/8, Office of this Paper.

MANAGER or Assistant; qualified; single; abstainer; first-class London and provincial experience; excellent references. Apply, with full particulars, to "Semprolin," 31 Hemberton Road, Clapham, S.W. 9.

MANAGEMENT of Light business, or Dispensership; Major. "X.," 38 Wolverton Road, Boscombe.

PART-TIME: Pharmacist (experienced) disengaged Saturdays after 2.30; Peckham district. Apply 86/26, Office of this Paper.

PHARMACIST seeks lucrative appointment; excellent references; exceptional experience, high-class, Family, Store, and Hospital; last few years only qualified man in unique business, with upwards of 200 Prescribing cases weekly; good address; ineligible; 35; 5′ 9″; married. Address "Energetic" (83/22), Office of this Paper.

QUALIFIED Dispenser (woman) desires a few hours' work daily; experienced; Bookkeeping, etc. "K." (32/70), Office of this Paper.

QUALIFIED requires first-class berth; over military age; active; best references. Apply 86/7, Office of this Paper.

QUALIFIED Manager; locum; disengaged; ineligible; capable and energetic; high-class experience; good references (South preferred). Apply 86/32, Office of this Paper.

QUALIFIED.—As Manager or other responsible position, with interest or view to succession; 44; married (no children); good Dispenser, Prescriber, and Counter; good reference. "Reliable," 4 Eldon Road, Reading.

RELIEF two or three days weekly; qualified; 45. Pharmacist, 9 Claverton Street, S.W.

REGISTERED Branch (small); Prescriber, Extractor, etc.; good testimonials. Address 191 Grey Mare Lane, Openshaw, Manchester.

SOUTH COAST OR SURREY.—As Manager or Assistant; over military age; unregistered; 20 years' varied experience. Kindly state hours and salary offered, 84/34, Office of this Paper.

UNQUALIFIED, discharged soldier seeks permanency, Brighton; local references. J. Dinnage, 9 Brigden Street, Brighton.

UNQUALIFIED; 23; Grade III.; good-class experience; provincial. State salary offered and hours, 85/14, Office of this Paper.

YOUNG French Dispensing Chemist, speaking English fluently, well-educated, desires situation in or near London; Apothecaries' Hall certificate. Write to M. Pierre Clavière, 59 Rue Carnot, Poitiers, France.

WHOLESALE.

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ADVERTISER, late Sub-Foreman Allen & Hanburys for 28 years, desires post; practical experience in Cod-liver Oil manufacture and Refining Oils, etc. "G.," 5 Sandrock Road, Lewisham, S.E. 13.

ADVERTISER, who represents leading Aspirin house, is open to act for fine or heavy Chemical firm; terms as arranged. Reply 85/31, Office of this Paper.

BUSINESS man, over military age, requires responsible position with good Drug firm; thorough knowledge Office and Warehouse routine, buying. "K. M. G." (83/27), Office of this Paper.

DISCHARGED Serbian soldier requires situation as Packer or General; excellent references. Vidosav Angelkovitch, 51 Rostrevor Road, Fulham, S.W. 6.

FOREMAN; packed goods; 18 years' experience; take full control; excellent references; West of England preferred. Apply 88/23, Office of this Paper.

GENTLEMAN, thoroughly conversant with the Drug, Sundries, and Toilet specialities, desires position as Representative; ineligible; excellent references; Midlands or Wales preferred. "L. N." (85/10), Office of this Paper

GLASGOW AND WEST OF SCOTLAND.—Gentleman (qualified Chemist), with splendid connection on this ground, open for a few additional lines; commission basis. Apply 86/14, Office of this Paper.

REPRESENTATION.

I CAN handle few additional lines to my own business, West-End Office; commission or buying agency basis only.

Proprietary, Drug, Sundry.
Apply 84/15, Office of this Paper.

LABORATORY Manager, qualified, 43, seeks position in or out of London; 27 years' Laboratory experience, 17 years' Manager; disengaged early May. "F. S." (85/33), Office of this Paper.

LABORATORY Foreman; 17 years' experience; used to Pan work and Stilts, Toilet specialities, and Galenicals; age 31 years; ineligible. Apply 88/24, Office of this Paper.

SIDE LINES WANTED.—Advertiser is open for Packed Goods and Druggist Sundries; big connection. C. Wilson, Dryland House, Buxton.

TRAVELLER; exempt; London and provincial experience; disengaged. Apply 80/25, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone: 81 Lee Green.

Shares for Sale (free of commission, subject).—200 Bovril Deferred, 11*s.* 4½*d.*; 200 Idris A 6% Prefs., 6*s.* 10½*d.*; 250 Commercial Salt, 3*s.* 3*d.*; 300 International Plasmon, 6*s.* 10½*d.*; 100 Mazawattee Ord., 2*s.* 10½*d.*; 100 Mellins Food 6% Prefs., 14*s.* 9*d.*; 200 Molassine 7% Prefs., 16*s.* 9*d.*; 300 Farrows Bank, 8*s.* 4½*d.*; 500 Ilford Ordinary, 16*s.* 3*d.*; 500 6% Prefs., 17*s.* 3*d.*; 100 Magadi Soda Deferred, 4*s.* 9*d.*

Wanted (subject).—200 Allenbury Prefs.; 200 Evans Lescher Prefs., 16*s.*; Wright Layman Prefs., 18*s.* 9*d.*; £1,000 Idris Debenture.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street London, E.C.

COTTON-WOOL, white, absorbent, interleaved, one pound parcels, 1 cwt. at 2*s.* 3*d.* per lb.; 2 cwt., 2*s.* 2½*d.*; 5 cwt., 2*s.* 2*d.*; carriage paid, cash with order; wrappers charged 3*s.* 6*d.* per cwt., and returnable; sample for stamp. J. Mills, Chemist, Platt Bridge, Wigan.

DRYING AND GRINDING OF CHEMICALS.—Factory, with first-class plant in London, is open to undertake the Drying, Pulverising, and Mixing of Chemicals in any quantities up to 100 tons per week. Write "Z. 1268," care Deacon's, 7 Leadenhall Street, E.C. 3.

PERFUMERS! Shortage of Labour! Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders in large or small quantities at lowest possible rates; good workmanship and prompt delivery; ingredients supplied if desired at lowest market prices. Write, stating requirements, to "Dentifrice" (85/35), Office of this Paper.

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One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
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FOR DISPOSAL.

DENTAL.

19 TOOTH Forceps; good all-round lot. Dentist, 27 Lewisham High Road, S.E.

BOOKS AND PERIODICALS.

17 VOLS. "Pharmaceutical Journal," bound in half-calf; splendid condition; 45*s*. the lot. Hunter, Stockwell Station, S.W. 2.

BOOK BARGAINS.—Atlas Chemical Co.'s "Chemical Recipes," 7*s*. 6*d*.; Askinson's "Perfumes and their Preparations," 7*s*. 6*d*.; Canning's "Chemists and Dispensers' Vade Mecum," 2*s*. 6*d*.; Caspari's "Treatise on Pharmacy" (1895), 4*s*.; Coblentz's "Handbook of Pharmacy" (1894), 4*s*.; Muter's "Analytical Chemistry" (1895), 3*s*.; Blyth's "Foods: Composition, and Analysis" (1888), 2*s*. 6*d*.; Scoville's "Art of Compounding" (1895), 2*s*. 6*d*.; (1900), 3*s*. 6*d*.; Jago's "Science and Art of Breadmaking" (1895), 3*s*.; Waring's "Manual of Practical Therapeutics" (1886), 2*s*.; Maisch's "Organic Materia Medica" (1882), 1*s*. 6*d*.; (1890), 2*s*. 6*d*.; Murrell's "What to do in Cases of Poisoning," 8*d*.; B.P., 1867, 2*s*.; B.P., 1885, and additions, 1890, 3*s*.; Lassar-Cohn's "Chemistry in Daily Life," 1*s*. 6*d*.; "Pharmacy Student's Pocket Note-book" (1906), 8*d*.; (1909), 1*s*.; Schimmel's Semi-Annual Report (on essential oils, etc.), 1894 to 1914 (34 numbers, seven missing), 15*s*. the lot; "Perfumery and Essential Oil Record" for 1914, 1915, 1916, and 1917 (unbound), 10*s*. the lot; "Perfumery Record Year Book and Diary," 1914, 1916, 1917, 2*s*. 6*d*. the lot. Please quote List IV. Ross, 131 North Hill, Highgate, N. 6.

DRUGS AND CHEMICALS.

29 LB. Pure Welsh Honey. Llewellyn, Chemist, Goodwick.

WHAT Offers? Original sealed 5 gallon tin extra sub. Olive Oil, Sasserno, Piccon & Maunier, Nice. McLellan, Chemist, Kirkintilloch.

14 LB. Pimentæ Pulv. for 12*s*.; 5 lb. Pot. Bicarb. Crystal., 15*s*. 6*d*.; 22 lb. Cocculus Indicus Pulv., 22*s*.; 1 lb. Pot. Permanganas, 18*s*. 6*d*. Would exchange for Glycerine. Lees, Drug Stores, Stalybridge.

ACID. Salicylic. Crystal., 2 lb., 14*s*.; Pot. Bromid., 2 lb., 22*s*.; Sodii Salicyl., 3 lb., 26*s*.; Codein. Phosph., 28*s*. oz.; Phenacetin, 8 oz., £1; Guaiacol Carb., 2 oz., 19*s*.; Phenazone, 4 oz., 15*s*. 6*d*.; Morph. Hydroch., 1 oz., £1; Aspirin Tabs., 1,000, 14*s*.; Resoroin, 4 oz., 15*s*.; Pot. Iodid., 14*s*. 6*d*. lb.; post paid, B.P. Forryan, 40 Duncan Road, Leicester.

OPTICAL AND PHOTOGRAPHIC.

6 DOZ. Photographic Plates, overstock; 4 Daylight Enlargers. Evans, Chemist, Margate.

MISCELLANEOUS.

WHAT offers per lb. for 10 lb. pre-war Polony Colouring (red). Walmsley Bros., Druggists, Staunary Street, Halifax.

WANTED.

TABLET-MAKING Machine wanted. Barton, 124 London Road, Manchester.

ALKANET Root. State quantity and price to "E. S." (85/25), Office of this Paper.

GARDNER Sifter and Mixer; Fig. 1, "B," or "C" size. Johnston & Adams, Dundee.

BAYER'S Adaline; tablets or powder; 1 oz. or 2 oz. Say price, Connolly, Chemist, Dundalk.

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